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TELEGRAMS: "CHEMICUS,
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No. 2417.

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JUNE 5, 1926.

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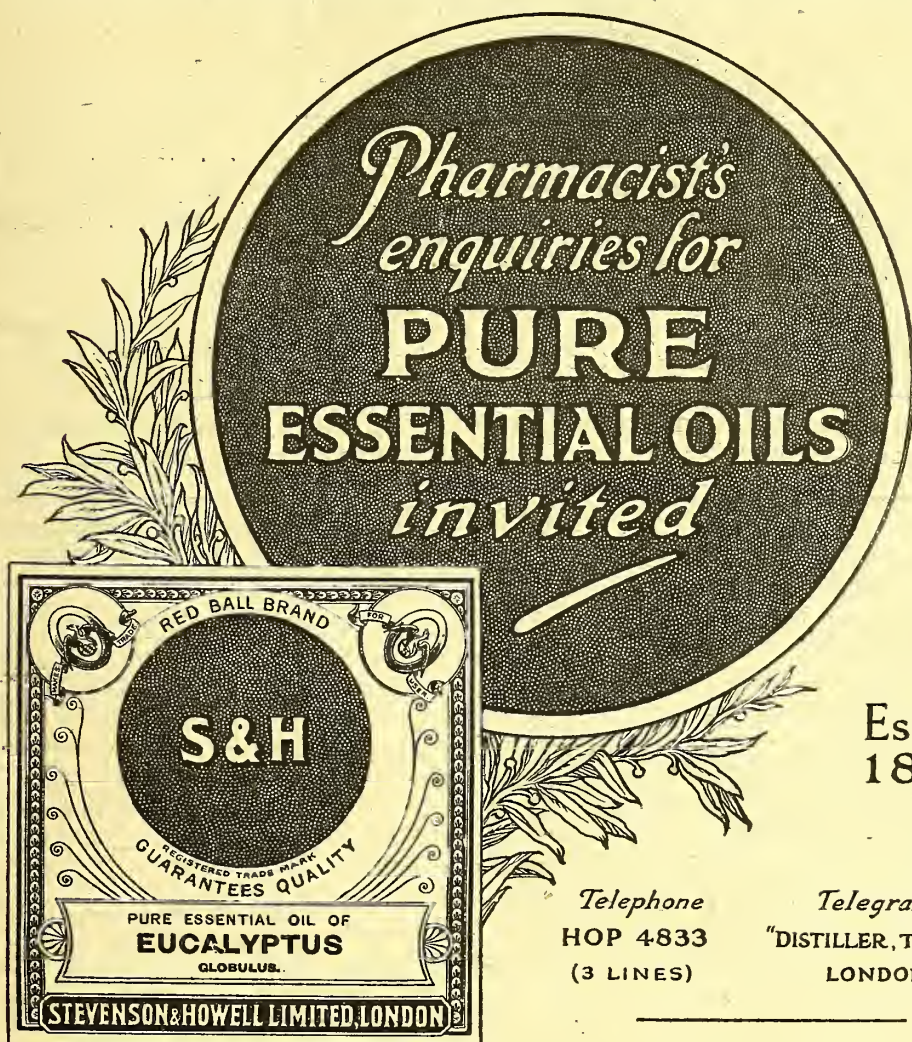
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The outcome of 45 years' accumulated experience in the manufacture of household dyes. This series comprises all colours and is in demand practically all the year round. They are all highly efficient dyes and appeal to every woman on economical as well as fashionable grounds. Supplied in dull or glossy series.

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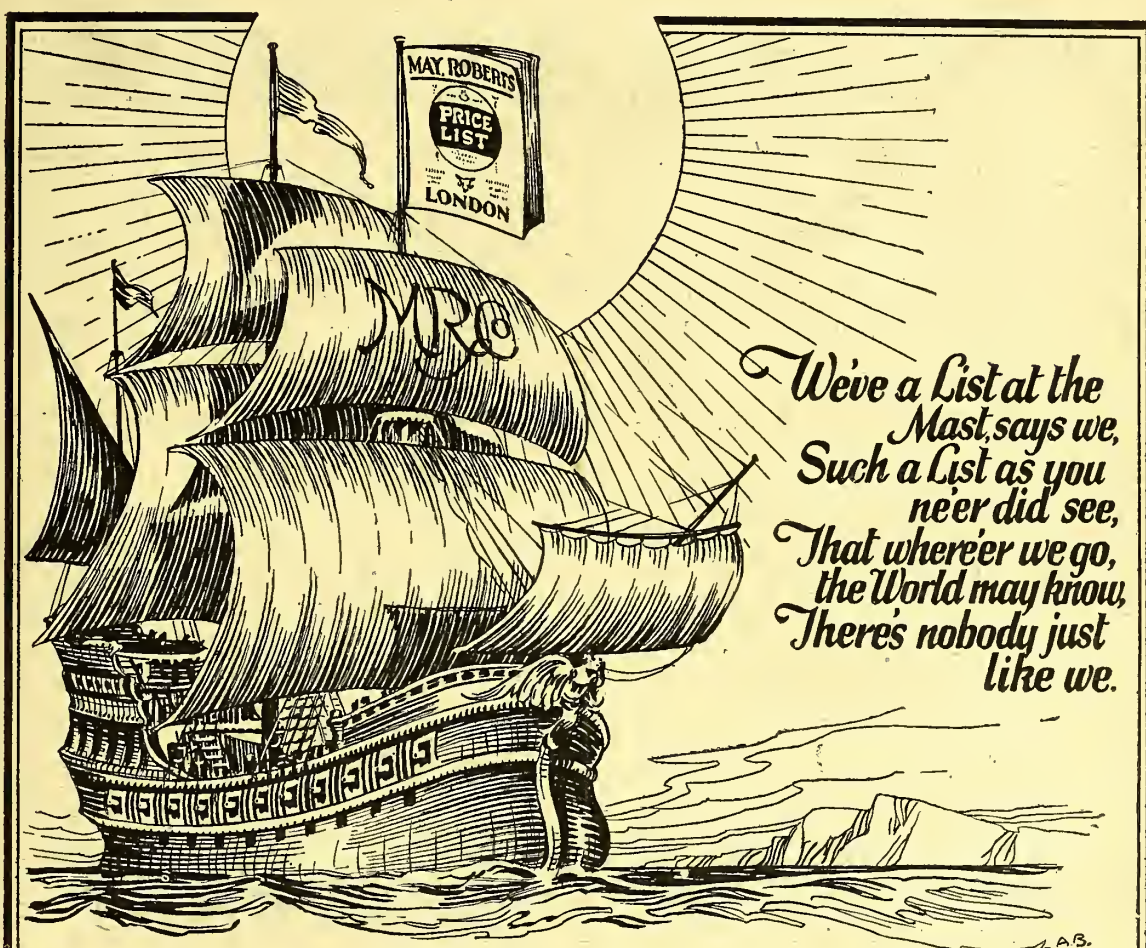
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*We've a List at the
Mast, says we,
Such a List as you
neer did see,
That where'er we go,
the World may know,
There's nobody just
like we.*

OUTWARD BOUND

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INDEX TO ADVERTISERS

Acoustic Supply Co., Ld. (Aids for the Deaf)	42	Cadbury Bros. (Cocoa)	Cover	Galloway, P. H., Ld. (Family Lung Syrup)	19
Allen, Stafford, & Sons, Ld. (Powdered Drugs, &c.)	25	Campbell, J. D. (Nicotine Insecticides)	x	Gardner, W., & Sons (Glos.), Ld. (Machinery)	48
Almeida, Jose, Ld. (Wines)	8	Camwal, Ld. (Mineral & Aerated Waters)	14	George, Ernest J. (Valuer, &c.) Col. Supp.	vi
Anzora Perfumery Co., Ld. (Hair Cream, &c.)	23	Cephos, Ld. (Headache Remedy)	18	Gibbins, R., & Co. (Tablets)	vi
Association of Manfg. Chemists, Ld. Col. Supp.		Christy, T. & Co. (Empire Tobacco, &c., Py-shan Points Tea)	43-46	Gilbert, W. K., & Co. (Chamois Leathers, &c.)	36
Atha, J. W., & Co. (Reflector Lamps)	viii	Condy & Mitchell, Ld. (Condy's Fluid)	1	Glaxo (Prescription Glaxo) Leader Page	
Baileys (Developing and Printing) ..	viii	Cook, Ed., & Co., Ld. ("Asepto" Soap)	24	Goff, J., & Co. (Boxes)	48
Bandoeng Quinine Factories	iv	Cook, Geo. (Shopfittings)	43	Goldberg, S. S. (Fly Band)	x
Barker, R., & Son, Ld. (Infants' Preservative)	8	Cox, Arthur H., & Co., Ld. (Dr. Wood's Health Saline)	Cover	Gough, Kidston & Co. (Petroleum Jelly, &c.)	36
Battle, Hayward & Bower (Weed Killers, &c.)	xi	Cupal, Ld. (Secto)	7	Gower, J. (Books)	Col. Supp.
Beecham, Thomas (Pills)	16	DeVilbiss Co. (Sprays, &c.)	46	Graesser-Monsanto Chemical Works, Ld. (Chemicals)	Cover
Berdoo & Fish (Valuers, &c.) Col. Supp. ..		Dearborn (1923), Ld. (Toilet Specialities)	23	Grafton Chem. Co., Ld. (Westons Stop Cough)	16
Berk, F. W., & Co., Ld. (Chemicals) ..	vii	Dee Oil Co., Ld. (Petroleum Jelly) ..	35	Grout & Co., Ld. (Vic Flesh-Cloth) ..	39
Blackie, Robert ("Spun" Ointments, &c.)	14	Denonal, Jules, & Co. (Seasonable Lines)	15	Haller & Phillips, Ld. (Glycerine) ..	iv
Boake, A., Roberts & Co., Ld. (Aromatic and Synthetic Chemicals) ..	Leader Page	Deshell Laboratories, Ld. (Petrolagar)	xii	Hampshire, F. W., & Co., Ld. (Snowfire)	16
Boehm, Fredk., Ld. (Cod Liver Oil) ..	8	Dick, W. B., & Co., Ld. (Liquid Paraffin)	36	Harding, Holland & Fry, Ld. (Petroleum Oils)	34
Bond, J. (London), Ld. (Marking Ink) ..	30	Dorin, Ld. (Beauty Preps.)	24	Harley, T. (Rat Poison)	x
Brett & Co.	Col. Supp.	Dudley & Co. (Cash Tills)	30	Henry, T. & W. (Calcined Magnesia) ..	46
Bristow, T. F., & Co., Ld. (Soaps, Perfumery, &c.)	21	Duncan, Flockhart & Co. (Dusting Powder)	29	Higgolene, Ld. (Skin Ointment)	19
British Drug Houses, Ld. (Eastern Foam)	52	Econasign Co. (Own Showers, &c.) ..	43	Hill, T. (Bottle Cleaning Machinery) ..	48
British Goodrich Rubber Co., Ld. (Rubber Sundries)	39	Edwards, Wm., & Sons ("Vicia" Toilet Series, &c.)	12-23	Hindes, Ld. (Hair Brushes)	29
Bromage & Co. (Face Powder)	46	Evans Sons Lescher & Webb, Ld. (Washing Gloves, &c.)	13	Hobson, Trimble & Co., Ld.	46
Bronnley, H., & Co., Ld. (Soaps, &c.) ..	v	Fairy Dyes, Ld. (Home Dyes)	48	Hollandsche Melksuikerfabriek	iv
Burge, Warren & Ridgley, Ld. (Pessaries, &c.)	50	Farmer, F., & Co. (Rat Poison)	x	Howards & Sons, Ld. (Hydrogen Peroxide, &c.)	Cover
Burkett, Sharp & Co., Ld. (Chemicals) ..	ix	Fink, F., & Co. (Gums)	46	Hubbuck, T., & Son, Ld. (Oxide of Zinc)	ix
Burrough, J., Ld. (Wines) ..	Leader Page	Folkes, F. W., & Co. (Crêpe Bandages)	46	Iglodine Co., Ld. (Iglodine)	18
Burroughs Wellcome & Co. ("Tabloid Aspirin")	51	Ford, Shapland & Co., Ld. (Toilet Paper)	40	Jackel et Cie (of Paris), Ld. (Hair Cream)	22
Bush, W. J., & Co., Ld. (Ess. Oils, &c.)	Cover	Ford, T. H., Ld. (Surgical Dressings) ..	39	Johnson & Sons Mfg. Chts., Ld. (Chemicals)	ii
Butler & Crispe (Bathing Caps, &c.) ..	4	Fuller, R. L., & Co., Ld. (Quinine Salts)	iv	Josephs, Percy R. E. (Shopfittings) ..	Col. Supp.
Butler, E. H., & Son (Sulphur Tablets)	vi			Josephs, Philip, & Sons, Ld. ..	Col. Supp.

[Continued overleaf.]

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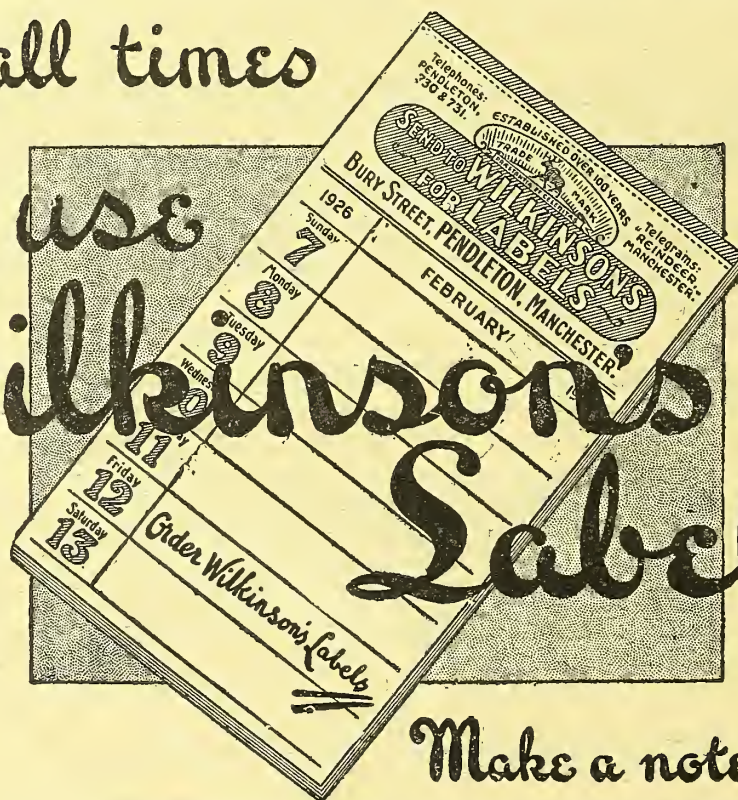
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INDEX—cont.

Kerfoot, T., & Co., Ld. (Vapex Inhalant)	17	Pharmaceutical Lanoline Co. (Lanoline)	34	Spatula Publishing Co. (Books)	18
King, J. C., Ld. (Duplicate Books, &c.)	30	Pillischer, J. (Clinical Thermometers) ..	38	Spurway et Cie, Ld. (Poudre Yvonne) ..	24
Lawrence, G. H. (Razor Blades)	30	Piver, L. T. (Toilet Preps.)	22	Stecklyn, N., & Sons (Pomade Hongroise)	20
Leath & Ross (Homeopathic Medicines)	15	Potter & Clarke, Ld. (Asthma Cure) ..	45	Sterns, Ld. (Oils, Petroleum, &c.) ..	35
Lennon, Ld. (South African Agencies) ..	vi	Price, A. S., & Co., Ld. ("Top Not" Specialities) ..	22	Stevenson & Howell, Ld. (Essential Oils, &c.)	1
LePersonne, L., & Co. (Bottles)	32	Provincial Exhibitions, Ld.	44	Stevenson, Hugh, & Sons, Ld. (Ointment Boxes, &c.)	viii
Lofthouse & Saltmer, Ld. (Tablets) ..	vi	Prudential Assurance Co., Ld. (Insurances) ..	44	Sumner's Typhoo Tea, Ld. ..	Leader Page
Lysol, Ld. (Marshall's Lysol)	10	Pulzer, S., & Son, Ld. (Goggles)	42	Surgical Hosiery Co., Ld.	46
Macfarlan, J. F., & Co. (Opoidine)	Cover	Rayner & Co., Ld. (Olive Oil)	35	Tatcho-Tone Co.	46
McGlashan, D., Ld. (Abdine)	8	Redgrave, Butler & Co. (Russian Medicinal Paraffin, &c.) ..	37	Taylor, Edward, Ld. (Porous Plasters) ..	39
Mandall & Co., Ld. (Licorine)	14	Rigby Batcock, Ld. (Hairbrushes) ..	12	Taylor, F. H., & Sons, Ld. (Measures) ..	32
Marsden, Chas. C. (Valuer, &c.) Col. Supp.		Roberts' Patent Filling Machine Co.	viii	Thompson & Capper, Ld. (Cornol) ..	38
Maud, F. (Showcases)	43	Robinson & Sons, Ld. (Boxes)	Leader Page	Towle, E. T., & Co., Ld. (Change of Address)	18
Maw, S., Son & Sons, Ld.	11	Rose, J. L., Ld. (Pyrogallie Acid) ..	46	United Glass Bottle Manufacturers, Ld. (Medical Bottles)	33
Mawson Filter Co. (Optimus Filters) ..	viii	Rudduck & Co. (Shopfittings) Col. Supp.		Van Der Hoeke (Bottles)	36
May, Roberts & Co., Ld. (Catalogue) ..	3	Sacker's Hygienic Comb & Toilet Supply Co. ("Saunakleen" Comb) ..	24	Venesta, Ld. (Collapsible Tubes)	xi
Meade-King, Robinson & Co., Ld. (Petroleum Jelly, &c.)	34	Saltrates, Ld. (Bath Saltrates)	47	Viscose Development Co., Ld. (Bottle Cappings)	32
Millar, A., & Co., Ld. (Orange Wine) ..	8	Sandoz Chemical Co., Ld. (Alkaloids)	Leader Page-ii	Wampole, H. K., & Co., Ld. (Pharm. Products)	vi
Mills, A. J., & Co., Ld. (Honey)	19	Sangers (Sundries, &c.)	49	Warrington Chem. & Drug Co.	ix
Morgan-Davis & Sons (Trusses)	40	Sanitas Co., Ld. (Toilet Paper)	i	Watney, J., & Co., Ld. (Grain Spirit) ..	37
Morny Frères, Ld. (Toilet Preparations) ..	26-27	Sasso, P. e Figli (Olive Oil)	41	Watts, J. (Safety Razor Blades)	23
National Union of Drug & Chemical Workers	Col. Supp.	Schimmel & Co. (Perfumery Products) ..	20	Westminster College of Pharmacy ..	42
Newbery, F., & Sons, Ld. (Eau de Cologne)	20	School of Chiropody	42	Whiffen & Sons, Ld. (Fine Chemicals, &c.)	iii
Oldfield, Pattinson & Co. (Pharm. Preps.)	5	Scruton, Oscar, & Co. (Nurse Harvey's Mixture)	14	Whitaker & Co. (Hat Dyes, Household Dyes)	2
O-Pine-O Manfg. Co., Ld. (Toilet Preps.)	46	Scurr, C. A. (Optical Tuition)	42	White, R. F., & Co., Ld. (Silversilk Soap)	29
Oppenheimer, Son & Co., Ld. (Robo-leine)	9	Shadeine Co. (Hair Dyes)	46	Wilkinson, J. F. (Labels, &c.)	6
Orridge & Co. (Valuers, &c.) Col. Supp.		Shawyer, A. J., & Co. (Developing, &c.)	viii	Willows, Francis, Butler & Thompson, Ld. (Pollantin)	18
P.A.T.A.	30	Sherley, A. F., & Co., Ld. (Dog and Cat Medicines) ..	x	Wood Bros. Glass Co., Ld. (Bottles) ..	31
Parkinson's (Sugar-coated Pills)	ix	Showcard Specialists, The	37	Wyleys, Ld. (Neuracatin Pellets) ..	Cover
Pazo Co. (Pill Boxes)	18	Simond, S. D., & Co. (Tapon)	48	Youldon, F. (Bottles)	32
Perry & Hope, Ld. (Malt Extract) ..	8	Sinclair, Jas., & Son (Bottles)	32	Zeal, G. H., Ld. (Clinical Thermometers) ..	40
		Slack, A. Bernard	Col. Supp.	Zeals Asthma Fluid & Atomizer Co., Ld.	38
		Smith & Co. (Flycatchers)	46		
		Smith, T. & H., Ld. (Chemicals) ..	vii		

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Labels.



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THAT MEAN

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LAST YEAR WAS A RECORD.

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" 6d.	" 4/3	per doz.
" 1/-	" 8/6	less 10%
" 3/-	" 27/-	28 days.
" 5/-	" 42/-	

With 1 doz. assorted Bonus with 1 gross.

" 6 " " " " 5 "

ORDER NOW.

CUPAL, LTD.
BLACKBURN.

1926

MARTEN'S

1927

COD LIVER OIL

FINEST NORWEGIAN MEDICINAL QUALITY, B.P.

STEAM-REFINED. NON-CONGEALING. BRILLIANT. GOOD TASTE. EXCELLENT
APPEARANCE. Also VETERINARY QUALITY.Sole Consignees in the
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POISON.****PURE ORANGE WINE
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Prepared in strict accordance with the Formula of the British Pharmacopœia.

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THE GOLD MEDAL HEALTH DRINK.

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To Chemists with Wine Licence only.We are prepared to grant Agencies to licence holders for
our celebrated Ports in districts not already represented.**Almeo's Invalid Port, White Knight Ruby Port,
White Knight White Port,
The Marquis Port, Grand Duchess Port.**

GOOD ADVERTISING MATTER.



THIS IS THE THEME OF THE SUMMER SCHEME

a typical "Roboleine" advertisement



Make good the energy
spent in Summer Games.



PUT YOURSELF ON

Roboleine

THE FOOD THAT BUILDS THE BODY

and take your pleasures GLADLY

'Roboleine' is the great reconstructive made of Bone Marrow, Malt, Egg Yolk, and Neutralized Lemon Juice.

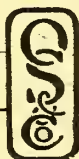
2/-, 3/6, 6/- & 15/- of chemists.

O & S

YOU will be first to admit the common-sense of the argument we are using to further the sales of "Roboleine" during the Summer. Remember it and use it yourself in conversing with customers.

OPPENHEIMER, SON & COMPANY LTD.
179 Queen Victoria Street, London E.C. 4.

O & S



Marshall's

Lysol

DISINFECTANT

A PRODUCT of BRITISH LABOUR

— AND A —

STANDARD for DISINFECTANTS

MANUFACTURED with care and precision it has the confidence of the medical profession throughout the United Kingdom. "MARSHALL'S LYSOL" has the guarantee of the manufacturers behind it, and in recommending it to your customers you are assured that they will receive an article of unquestioned merit.



STANDARD PRICES

		MIN. RETAIL
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8-oz.,	14/- ,,	- 1/9 ,,
16-oz.,	24/- ,,	- 3/- ,,
32-oz.,	40/- ,,	- 5/- ,,

DISCOUNTS ON CASE QUANTITIES AND SPECIAL BONUS FOR WINDOW DISPLAY.

**ARE YOU BUYING ON
OUR BONUS TERMS ?**

LYSOL LIMITED

RAYNES PARK, S.W.20

Maw's Page

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When a customer asks you for a packet of Cotton Wool, or Boric Lint, do you hand over your counter a package of which you have reason to be proud, a package which looks well and which contains dressings of assured quality?

Can you take a few packages from your drawers and, in a few minutes, with the help of the display material supplied by the makers, can you build up a window display which will attract attention and bring business?

And do you buy your dressings right? Are they not merely low in price, but as low as possible consistent with a standard of quality that will do you credit? Can you fairly charge a price for them which will yield a good profit and still leave your customer pleased?

These little matters are worth your consideration, for Surgical Dressings are one of the staples of the pharmacist's business, one of the bread and butter lines which sell steadily and consistently and have a big influence on your profits.

Your dressings business will be right if you buy and sell Maw's dressings. You will know whenever you hand your customer the familiar blue packet with the yellow label that both you and he are benefiting by the transaction, and no firmer basis for increased sales can be found than mutual satisfaction.

*Place your trial order for Maw's
Dressings to-day and display them in
your window as soon as they arrive.*

S. Maw, Son & Sons, Ltd.,
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and Barnet.



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It is always pleasing to find something really good, something a step higher than the ordinary. This we rightly claim for our new series of

"VICTRA TOILETS"



Comprised in this super series are **BRILLIANTINE, TOILET PARAFFIN, BAY RUM, BAY RUM AND CANTH., HONEY AND FLOWERS, JABORANDI, HAIRSERENE GREASY, HAIRSERENE NON-GREASY**, all at 15/- per dozen, and **EAU-DE-QUININE** at 18/- per dozen, packed in finest quality 6-oz. bottles fitted with special screw neck nickel cap and most artistically labelled.



A pleasing line for every Pharmacist

WILLIAM EDWARDS & SONS

Wholesale & Export Druggists' Sundriesmen

14-18 NILE STREET, - CITY ROAD, - LONDON

The World's Best Hairbrush

means quicker sales and bigger profits for you

Why? Because it has more selling points than any other brush in the world. Because it meets to a greater degree than all others the modern woman's need for deep, penetrating hairbrushing **plus absolute cleanliness.**

Consider for a moment the strength and toughness of the bristles and the resiliency of the rubber pad in which they are set. Is there any other brush more capable of getting right down to the roots of the hair than the "Klenly" Brush? Consider also the tempting beauty of the various colours and designs.

And this is not all. Both the bristles and the pneumatic pad are **white.** Because of this the brush is always kept clean; its whiteness instantly betrays any dirt or dust that may come from the hair. The air vent, too, is placed in such a position that it's the easiest thing in the world to clean the brush.

These then are the reasons why **you** should stock the "Klenly" Hairbrush—why you should take **your** share of the extra-generous margin of profit that we as the **actual manufacturers** can afford to allow you.



Prov.
Pat.
28928/24

RIGBY'S

Klenly

HAIR BRUSH

RIGBY, BATTCOCK, LTD., 28 MUSEUM STREET, LONDON, W.C.2.

Protected in U.S.A., CANADA and FRANCE.

Write at once for special folder giving full details and prices of the various designs and see for yourself what attractive opportunities the "Klenly" Brush affords for profitable business.

Evans'

For Holiday Makers' Requirements

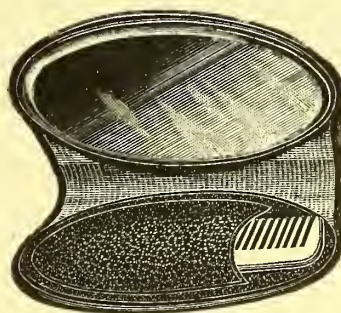


WASHING GLOVES.

A wide range from 4/9 to 14/- doz. pairs in White Turco and Fancy Materials.
Our NAIAD, NYMPH, NEPTUNE, NOMAD and MERMAID gloves are choice and serviceable.
An attractive Counter Showcase Free with 3 doz. assorted pairs.



POCKET CASES.



- No. 2.
- No. 6. Leatherette, assorted colours, Mirror, Comb and Nail Cleaner ... 4/9 doz.
- No. 5. Mirror, Comb, Nail File, Pencil and Memo Tablet ... 12/- doz.
- No. 16. Hand Polished Leather, Kid and Silk Lined, Puff and Mirror ... 24/- doz.

BATHING CAPS.

Our selection of 'Chic' patterns and charming colours, at from 7/6 to 24/- doz., will help you to cater for all pockets.

- No. 3.
- No. 7. Leatherette, Mirror, Comb, Nail File, Memo Tablet and Pencil ... 7/6 doz.
- No. 3. Morocco Leather, assorted colours, Mirror and Comb ... 16/6 doz.
- No. 2. Leather, best quality, Puff, Mirror and Comb ... 54/- doz.

SPONGE BAGS.


We have a variety of assorted colours and designs in:—RUBBER, SILK, BROCADE, OILED SILK, etc., from 4/- to 32/6 doz.

EVANS SONS LESCHER & WEBB, LTD.

"SPUN"

The Finest Manufactured

OINTMENTS
COLD CREAMS
VANISHING CREAMS
TOOTH POWDERS

 *Get ready for the summer with these goods, the most reliable and best selling in London, country or seaside.*

We make **SALINE, CITRATE, EFFERVESCING CARLSBAD, BATH CRYSTALS, BRILLIANTINES** and other preparations generally. All most attractively packed, and handling them is a pleasure.

CHEMICAL FOOD, SYRUP HYPOPHOSPHITES, SYRUP OF FIGS, VUNDI, PURE CREAM SALAD OLIVE OIL in Provence Oil bottles. Reputed $\frac{1}{4}$ pint, $\frac{1}{2}$ pint and 1 pint.

Prices and Samples by return. PLACE YOUR ORDER AND SATISFACTION WILL BE GUARANTEED

Telephone :

HOP
2415.

ROBERT BLACKIE

Wholesale Manufacturing Chemist

Shen Works, Tower Bridge Road, LONDON, S.E.1

Telegrams :

"Ushenspuna,"
London.

Licoricine

ACTS LIKE
MAGIC

for Coughs, Colds, &c.

is the best line of its kind for bringing

REPEATS

and it will repay you abundantly to give it

YOUR RECOMMENDATION

10 $\frac{1}{2}$ d. size, 8/6 per doz. net. 1/3 size, 12/- net.
3/- size, 27/- net.

£2 worth Carriage Paid.

£6 worth and upwards, subject to a 5% discount for cash in 30 days.

Minimum Retail Prices. 10 $\frac{1}{2}$ d., 1/3, and 3/-.

N.B. — This allows the Chemist a profit of nearly 33%, or 4d. in the 1/- on £6 lots.

MANDALL & CO., LTD.

17/23 Stepney Road,
NEWCASTLE-ON-TYNE.

CAMWAL

TABLE WATERS - in Syphons & Bottles
LEMONADE POWDER { in Packets, Cartons,
and Canisters.
AQUAPERIA WATER } WINDOW
or SALTS (P.A.T.A.) } DISPLAYS.
LEMON SQUASH - in 26 oz. Bottles.
(with plain or Soda water forms a delicious drink).

HOME and EXPORT PRICES and TERMS on application.

CAMWAL, Ltd. LONDON, MANCHESTER, BRISTOL,
BIRMINGHAM, BARROGATE.
City Office: 52 Queen Victoria Street, LONDON, E.C.4
Phone: City 4497.

NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

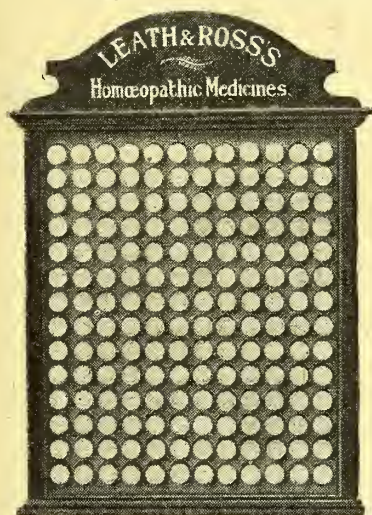
The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK

LEATH & ROSS

HOMŒOPATHIC CHEMISTS (Qualified by Examination)
317, HIGH RD., BRONDESURRY, LONDON, N.W.6.



Dimensions: Height, including Scroll, 26 inches.
Width 19 inches. Depth 6 inches.

	£	s.	d.
2 gross 1/- as- sorted Pilules and Tinctures, @ 4/6 per doz.	5	8	0
Half cost of Showcase (costing £3)...	1	10	0
	6	18	0
10% monthly a/c	13	10	
	£6	4	2

Or Cash with Order

£6 net.

You can choose your own medicines or leave the selection to us. We should send the best selling lines only, and agree to exchange any within twelve months FREE OF CHARGE.

Mr. HAROLD HAW, M.P.S., 5 Albert Terrace, Blackpool, writes: "SIRS—Showcase to hand safely; very satisfactory; has already been admired by several chemist friends."

September 13, 1921.

ESTABLISHED 1859.

JULES DENOVAL & CO.

Wholesale and Export Manufacturers of

MEDICINAL CAPSULES - MEDICATED LOZENGES
PASTILLES - JUJUBES - CACHOUS - ETC.

SEASONABLE LINES

LEMON JUICE, HONEY and GLYCERINE JUBES. 1/8 per lb.; 28 lbs., 1/6 per lb.; 112 lbs., 1/4 per lb.

SULPHUR FRUITS—Orange, Lemon, Lime Juice, etc. Small, soft pastilles, delightfully flavoured, and containing Præcipitated Sulphur and Cream of Tartar. 1/8 per lb.; 28 lbs., 1/6 per lb.; 112 lbs., 1/4 per lb.

IODIZED THROAT PASTILLES. 3/- per lb. Superior and more efficient than tablets or lozenges.

TONIC CAPSULES—Hæmoglobin, Citrate of Iron, Cascara, Nux Vomica and Arsenic. Decorated tins, 7/- per doz.

KIDNEY AND BLADDER CAPSULES—Ol Copaiba, Ol Santal, Methy. Salicylate, Hexamethylene. 15/- per doz. boxes.

Carlton Works, Asylum Road, LONDON, S.E.15

*A High-class Pharmaceutical Preparation
for sale by Pharmacists only*

WESTON'S 'STOP-COUGH'

MANUFACTURED BY QUALIFIED CHEMISTS
AND SOLD ONLY BY QUALIFIED CHEMISTS.
CAN BE RECOMMENDED WITH CONFIDENCE
:: AND CARRIES A GOOD PROFIT. ::

Send us a post-card for our Special Window Display Terms.

GRAFTON CHEMICAL CO., LIM'D.
59 GRAFTON STREET, MANCHESTER.

PHONE : CENTRAL 6914

*Sales
Increasing
Everywhere!*

More women than ever before are buying Snowfire Cream. The reason is obvious. They find it every bit as good for improving and beautifying the complexion as the more expensive preparations—but at a much lower price. Hence its increasing sales. And, remember, consistent advertising is helping to claim new users every day. A good, sound line, which means quick sales and rapid turnover.

Snowfire

CREAM

Sold in handsome opal jars and neat aluminium containers and retails at 1/3 and 3d. respectively.

F. W. HAMPSHIRE & Co.,
Ltd.
Riverside Works,
Derby.



WORTH A GUINEA A BOX.

Beecham's Pills

HOME PRICE LIST

Beecham's Pills:

1s. 3d. size	-	11s. 9d. per dozen
3s. 0d. "	-	28s. 0d. "
5s. 0d. "	-	54s. 0d. "

Less 2½% Cash Discount.

**A further 5% allowed for Window
or other Advertising display.**

Orders: Minimum quantity £5 value (Assorted sizes).
PACKAGES FREE. CARRIAGE PAID.
TERMS: CASH WITH ORDER.

Cheques to be made payable to THOMAS BEECHAM,
and crossed "Westminster Bank, Ltd., St. Helens."

THOMAS BEECHAM, ST. HELENS, LANCs.

(Proprietors: Beecham Estates and Pills, Ltd.)



HERE IS THE REMEDY

YOU CAN RECOMMEND



Colds are intensely disagreeable during the summer time and customers are grateful for a reliable remedy. "Vapex" soothes, cleanses and protects the inflamed mucous membrane. You can confidently recommend 'Vapex' because its present popularity is largely due to the personal interest of satisfied users. Each sale brings you a profit of 6d. or 9d. according to size.

Summer Advertising

During this season we are advertising "Vapex" for Hay Fever and Summer Colds in a strong list of high-class weekly and monthly journals, including Punch, Truth, Spectator, T.P.'s and Cassell's Weekly, John o' London's, Bystander, Tatler, Graphic, Country Life, Chambers's, Quiver, &c., &c. How is your stock of "Vapex"?

THOMAS KERFOOT & CO. LTD.
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
 ESTABLISHED 1797.

B/376

COPYRIGHT

E. T. TOWLE & CO., Ltd.

(ESTABLISHED 100 YEARS)

have removed from LONG ROW to

3, Toll St., Nottingham

TOWLE'S PENNYROYAL & STEEL PILLS.

HAY FEVER CAN BE VERY SUCCESSFULLY COMBATED WITH POLLANTIN

(A Serum discovered by Prof. Dunbar in 1903)

For literature and prices apply to the distributing Agents:

WILLOWS, FRANCIS, BUTLER & THOMPSON, LTD.

89a SHACKLEWELL LANE, LONDON, E.8

It will pay you to stock them!

When the public demand goods bearing a specified name the wide-awake retailer prepares to meet that demand and so reap the benefits which follow.

IGLODINE is fast becoming a household word, and the public, through satisfaction which comes after trial, are demanding IGLODINE PREPARATIONS. Are you the retailer who is preparing to meet the demand?

Iglodine.

Write to-day for full particulars to:

THE IGLODINE CO., LTD. - Newcastle-on-Tyne.



Ask for "PAZO"

PILL BOXES

The most convenient and secure Pill Box obtainable.

NO LOOSE BOTTOMS

Samples and Prices on application.

The "PAZO" CO., Oldbury



BOOKS AND PROSPERITY.

Send us a post card and we will send you our new 32-page catalogue listing practically all the current books of American publishers of interest to the average druggist. Among the subjects covered are: Professional, commercial, and manufacturing pharmacy, formulas of all kinds, advertising, window-trimming, show-card writing, the soda fountain and the luncheonette.

Spatula Pub. Co., 10 Alden St., Boston, Mass., U.S.A.

"CEPHOS"

The Physician's Remedy for Headache, Neuralgia, Neuritis, Rheumatism, and Influenza.

Liberal Trade Terms
Powerful Advertising

Sole Proprietors:
CEPHOS, Ltd.
BLACKBURN.

Powders and Tablets
Retail at 1/3 and 3/-

GALLOWAY'S

in order to stimulate the interest which most Chemists are taking in

FAMILY LUNG SYRUP

are, for a limited time, making the following

SPECIAL OFFER

to all Chemists who place an order for **Family Lung Syrup** to the value of £4 and agree to give us a Window Display for Fourteen Days, we will give a Bonus of 1 doz. 1/- size free. Upon these terms, **Family Lung Syrup** will show you a

PROFIT OF 50% ON COST.

EXAMPLE.

COSTS YOU.				
2 doz. 1/6 size	at 13/6 doz.	...	£1	7 0
3 " 1/- "	9/6 "	...	1	7 0
4 " 6 1/2 d. "	4/9 "	...	0	19 0
2 " 3d. "	2/- "	...	0	4 0
2 " 2d. "	1/6 "	...	0	3 0
Net cost			£4	0 0

Bonus 1 doz. 1/- size.

Net Profit £2 on outlay of £4.

SELLS FOR.				
2 doz. 1/6 size	...	...	...	£1 16 0
3 " 1/- "	...	...	...	1 16 0
4 " 6 1/2 d. "	...	...	...	1 6 0
2 " 3d. "	...	...	...	0 6 0
2 " 2d. "	...	...	...	0 4 0
				5 8 0
Bonus 1 doz. 1/- size				0 12 0
Sells for				£6 0 0

Send for our Illustrated Catalogue.

P. H. GALLOWAY, Ltd., *Qualified Chemists, Walworth, London, S.E.17.*



Build up a Profitable HONEY TRADE

The delicious flavour of this thick, "set" creamy

NEW ZEALAND Imperial Bee Honey

is irresistible. Sell it and reap a crop of repeat orders. It is a **BRITISH EMPIRE PRODUCT** THROUGHOUT, and is **GUARANTEED PURE** and **WITHOUT PRESERVATIVES**.

CASES per dozen, carriage paid.

48/1's Glass Screw-top Jars	.. . . .	at 14/-
48/1's Glass Screw-top Jars	.. . . .	at 8/6
48/1's Monopots	.. . . .	at 12/6
48/1's Monopots	.. . . .	at 7/3

If you cannot obtain supplies through your wholesaler, write to

A. J. MILLS & CO., Ltd. (*Produce & Canned Goods Dept.*), 14 Tooley St., London, S.E.1



HIGGOLENE

"Higgolene" is a preparation which, under its old name of Higginson's Herbalene Skin Ointment has for almost a century been looked upon in the Midland Counties particularly, as the one unfailing remedy for all troubles of the skin.

Under its new name and new get-up, but still made strictly according to the original formula, "Higgolene" is to be the object of a National Advertising Campaign which will make its unique qualities known throughout the Country.

It is to be sold at **1/3** per box.

May we send you samples and particulars of the advertising aid which will be available very shortly?

Sole Proprietors:

HIGGOLENE LIMITED,
Upper Bond Street, Hinckley.

Also manufacturers of "SPECIFENE" a really great specific for Blood Poisoning and Inflammation.

W.B.

Schimmel & Co.

MILTITZ, near LEIPZIG.

Manufacturers of

ESSENTIAL OILS, ESSENCES & AROMATIC CHEMICALS

Speciality :
FIXORESIN

A fixing Agent for
Soap Perfumes and Extractions.

In Various Aromas.

SAMPLES ON APPLICATION.

PEPPERMINT OIL, B.P.
SAVIN OIL
PINE OIL
SAFROL
BENZALDEHYDE, F.F.C.
FLORAL OILS
ESSENCES FOR LIQUEURS
FRUIT ESSENCES, etc.

SOLE AGENTS FOR THE U.K.

FREDK. BOEHM LTD., 17 Jewry St., LONDON, E.C.3

The Genuine Eau de Cologne



No. 4
von
Johann Maria Farina
Jülich's Platz No. 4

FULL PROFIT RATES:—

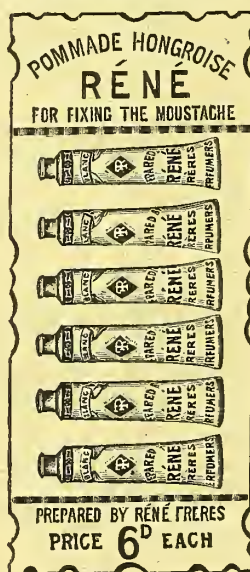
Standard Full Size ..	4 oz.	7/6	at	67/6	dozen
„ Half Size ..	2 oz.	4/-	„	36/-	„
„ Double Size ..	8 oz.	14/6	„	130/6	„
Square Bottle ..	6 oz.	11/-	„	99/-	„
Pocket Flask (Sprinkler) ..	2 oz.	4/-	„	36/-	„
Champagne Shape—Wickered	3 oz.	6/6	„	58/6	„
¼ Litre Flask Stopped ..	8 oz.	15/-	„	135/-	„

SOLE BRITISH DISTRIBUTORS:—

FRANCIS NEWBERRY & SONS, LTD.
31/3 BANNER STREET, LONDON, E.C.1

RÉNÉ POMADE HONGROISE

SHOULD BE STOCKED BY ALL CHEMISTS



Sixpenny
Size
3/-
per doz.

Ninepenny
Size
4/-
per doz.

N. STECKLYN & SONS

Chemists, Sundriesmen & Perfumers,

30 Dean Street, Soho, W.1.

17 Houndsditch, E.1.

Tele. No.: Regent 3642.

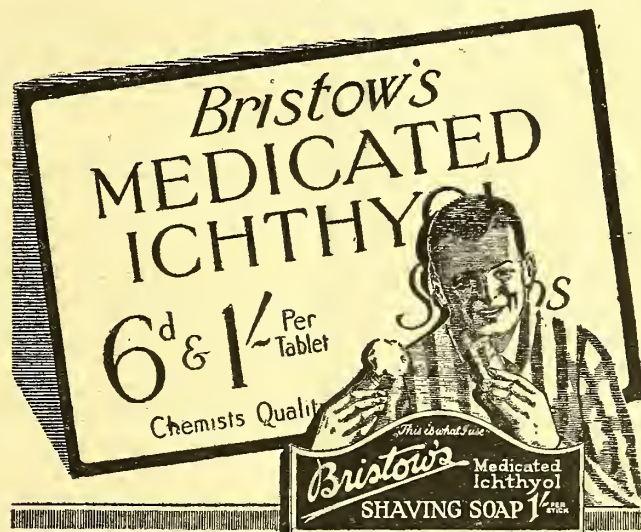
Tele. No.: Ave. 8121.

BRISTOW'S *Exhibition of Toilet Soaps and Perfumery* COLINDALE 1926

OWING to the cancellation of the Chemists' Exhibition we have decided to hold a special Exhibition at our Colindale premises, incorporating a magnificent display of Toilet Soaps, Perfumery, Beauty Preparations, etc., which will cover the all-the-year-round requirements of Pharmacists in every class of trade. We shall look forward to the pleasure of a visit from all Chemists interested, for whose conveyance we shall be happy to arrange by appointment. Customers from the Country will be met at any Railway Terminus.

The Exhibit will be of special interest to Export Buyers, and includes many lines suitable for the Xmas Trade.

**T. F. BRISTOW & CO., LTD.,
COLINDALE, LONDON, N.W.9.**



BUY BRITISH GOODS

*Now, switch on
to Volt!*

Volt Complexion Powder

is being advertised to the Public. You will want to be able to supply your Customers. Lay in your stock now!

A display in your window or on the counter will, furthermore, complete the ready sale of Volt Complexion Powder, the line sure to please.

RETAIL PRICE

2/6

NETT PROFIT 33 $\frac{1}{3}$ %

L. T. PIVER (Paris)

LONDON DEPOT:
102 Dean Street, Oxford Street, W.I.
Telephone No.: REGENT 5260.

Depot for Irish Free State:
Messrs. WILCOX, JOZEAU & CO.
19 Temple Bar
Dublin.

"TOP NOT" SPECIALITIES

We have purchased the Rights in the above well-known preparations, and orders can be given immediate attention.

"TOP NOT" OINTMENT

FOR DESTROYING VERMIN IN THE HEAD.

Saleable by Qualified Chemists Only

Retail 6d. per tin. Wholesale 4/6 Doz.

Bonus of 1 doz. 2d. "Top Not" Soap will be given with each dozen Ointment in exchange for Window or Counter display.

"TOP NOT" SOAP

An unique Shampoo. Each Tablet makes 1½ pints of delightful Medicated Shampoo.

Retail 2d. Wholesale 16/- Gross.

TERMS: Nett Cash 1 month; 5% extra c.w.o.
Carriage Paid on 20/- Orders or from Usual Wholesalers.

A. S. PRICE & CO. LTD.

BLACKHEATH, BIRMINGHAM.



THE ORIGINAL
:: AND ::
STILL THE BEST

JACKEL'S
CREAM
WITHOUT GREASE
FOR THE HAIR

SOLD EVERYWHERE.

1/9 PER BOTTLE 2/6

Jackel's Cream has now been over 40 years on the market and enjoys a steady reliable sale. Once a customer buys Jackel's, imitations have no appeal because Jackel's is still the best.

HOW ARE YOUR STOCKS AT PRESENT?

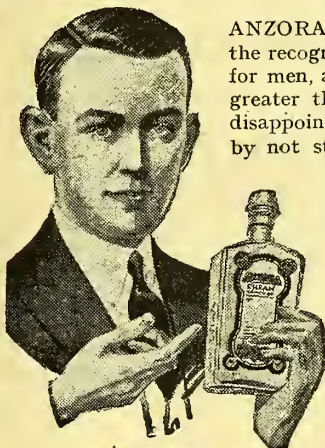
12/- and 18/- per dozen.
Retailing at 1/9 & 2/6 per bot.

SHOWCARDS AND PARTICULARS FROM
YOUR WHOLESALE HOUSE.

JACKEL et CIE (of Paris) Ltd.

GLASGOW.

If you are not stocking you are losing money



ANZORA has now become the recognised Hair Dressing for men, and the demand is greater than ever. Do not disappoint new customers by not stocking. Order a supply to-day and secure your share of the profits.

Anzora Cream for greasy scalps and Anzora Viola for dry scalps. Obtainable from Wholesalers, together with a free supply of window cut outs.

Trade Terms:
12/- doz. Retail at 18/-
20/- " " 30/-

ANZORA

MASTERS THE HAIR

If unable to obtain from your wholesaler write direct to:
ANZORA PERFUMERY CO., LTD., LONDON, N.W.6

Assist British industry by recommending the
'WATTS' Sheffield-made Safety Razor Blade,
the blade of super-keenness.



3/6

per doz.
allowing
50% PROFIT
on cost for
the dealer.

Sole Manufacturers: JOHN WATTS,
Dept: 3, LAMBERT WORKS, SHEFFIELD.
London: 24, REDCROSS ST., E.C.1.
Established over 150 years.

A counter display will help.

A user writes: "Can't understand people buying foreign blades when such as yours are obtainable."

**12 Perfect Blades
in Every Dozen**

For Gillette-Type and
Austrop-type holders

PASTA MACK

A DELIGHTFUL
NECESSITY
FOR
**BATH
&
TOILET
USE**

Beautifies the complexion, softens the water, and yields a delicious perfume to the skin, to which it imparts a snowy whiteness.

Artistically Packed in 2/- and 3/6 boxes. 3/6 size, 28/- per dozen boxes (each containing 8 large tablets). 2/- size, 18/- dozen boxes (each containing 8 small tablets). Of Chemists and Perfumers. Wholesale.

WM. EDWARDS & SONS, 14-18, Nile St., City Road, London, N.1
Makers: H. MACK SUCCRS., Ulm-a/D.

DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Toilet Specialties.

	Price per doz. to Retailer	Selling Price P.A.T.A.
PILENTA SOAP ..	10/-	1/-
A complexion soap.		
PROLACTUM ..	10/-	1/-
For the lips.		
PARSIDIUM JELLY ..	10/-	1/-
For wrinkles.		
ALLACITE OF ORANGE BLOSSOM ..	22/6	2/6
A dressing cream.		
BORANIUM ..	22/6	2/6
A hair tonic.		
CLEMINITE ..	22/6	2/6
For a face lotion.		
COLLIANDUM ..	22/6	2/6
For a face tint.		
PERGOL ..	22/6	2/6
A deodorant.		
TEKKO PASTE ..	22/6	2/6
Camphor cream.		
STALLAX ..	13/6	1/6
For a shampoo.		
JETTALINE ..	31/6	3/6
For clearing the skin.		
PHEMINOL ..	36/-	4/-
A depilatory.		
MENNALINE ..	36/-	4/-
For the eyelashes.		
MERCOLIZED WAX ..	18/-	2/-
A face cream.		
STYMOL ..	36/-	4/-
For oily complexions and blackheads.		
SILMERINE ..	22/6	2/6
Hair-curling fluid.		
BARSYDE ..	22/6	2/6
Dandruff eradicator.		
TAMMALITE ..	22/6	2/6
For grey and faded hair.		
LIQUID PERGOL ..	31/6	3/6
To check excessive perspiration locally.		
BICROLIUM ..	22/6	2/6
For whitening the hands.		
COCONOIDS ..	31/6	3/6
For figure development.		

The Products of

Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES ..	36/-	4/-
For obesity.		
SOFT PALERIUM ..	58/6	6/6
For wrinkles.		
LIQUID NAIL POLISH ..	45/-	5/-
Brilliant and lasting.		

Stocked by ALL Wholesale Houses.

COLONIAL DEPÔTS AND AGENCIES.

Australia: ALL WHOLESALE, & DEARBORN (Australia), Ltd., Grace House, Clarence Street, Sydney.
South Africa: LENNON, Ltd., Cape Town, etc.
India: FRAMJEE & SON, Bombay.
A. L. CHOUDRY, Calcutta.
New Zealand: SHARLAND & CO., Auckland and Wellington.
South America: DEARBORN (South America) Ltd., Calle Páyon 2100, Buenos Aires.
Straits Settlements & Federated Malay States: MEDICAL HALL, Ltd., Singapore.

TRADE MARK



A Face Powder which shows a rapidly increasing demand without the stimulus of a public advertising campaign must possess intrinsic merits which speak for themselves.

POUDRE YVONNE

(pronounced EE-VON) (Regd.)

is a high-grade face powder retailing at a moderate price and is enthusiastically recommended by most of the leading members of the theatrical profession:—

SYBIL THORNDIKE, LL.D.
LILIAN BRAITHWAITE.
MARGARET BANNERMAN.
MARY GLYNNE.
KYRLE BELLEW.
HILDA BAYLEY.
FAY COMPTON.
MADGE TITHERADGE.
PEGGY O'NEIL.
BETTY CHESTER.
YVONNE ARNAUD.
LYDIA LOPOKOVA, Etc. Etc.

Handsome show-cards bearing five photographic reproductions from above list sent with orders of £2.

Retail 1/6 and 2/3 per box.

Sample Size 7½d.

OUR SPECIAL BONUS TERMS
SHOW A PROFIT OF 40% AND
OVER ON THE SELLING PRICE

SPURWAY ET CIE, LTD.

89 Great Eastern Street,
LONDON :: :: E.C.2.
CANNES-GRASSE, RIVIERA.
PARIS.

LEIPSIC NEW YORK
KINGSTON (ONTARIO)

Telegrams - "NEROLI, LONDON."
Telephone - - BISHOPSGATE 1372.

PEDICULOSIS.

SACKER'S HYGIENIC COMB

THE GREATEST NIT REMOVER EVER INVENTED

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Silver Plated Fine Tooth Comb is the latest and most

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FOR ECZEMA, RINGWORM, PRICKLY
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Sample tablet sent gratis on application.

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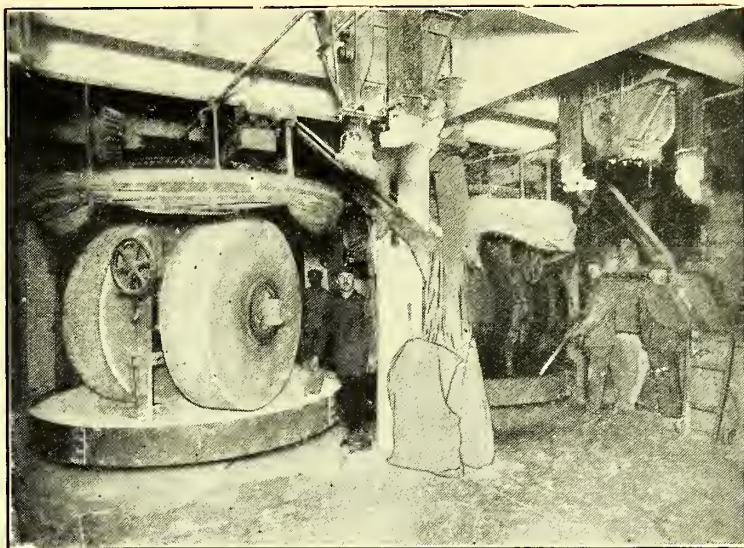
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EXAMINE one of these powders. Mark well those points which tell of raw material carefully selected and correctly ground.

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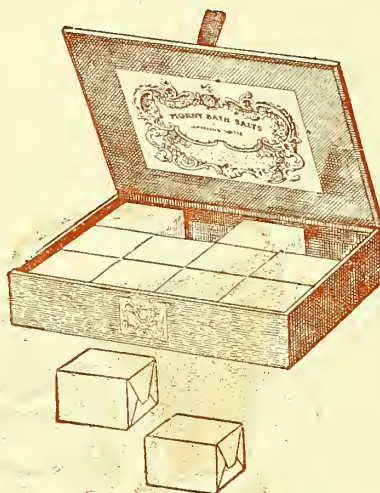
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ANNUAL SPECIAL ISSUE OF JULY 10, 1926

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WITH PURE
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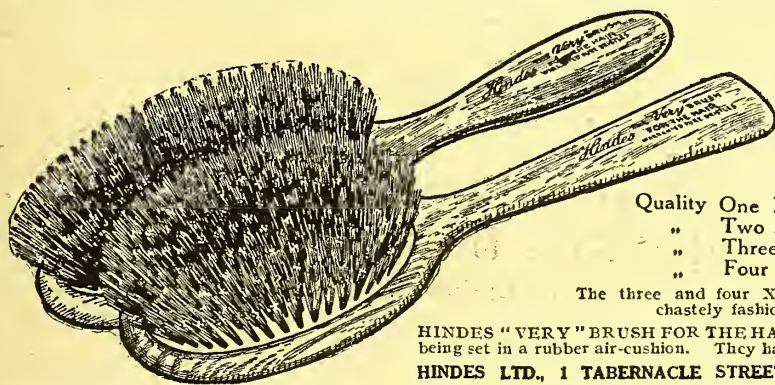
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Messrs. R. F. White & Co., Ltd., Victoria Station House, S.W.1,
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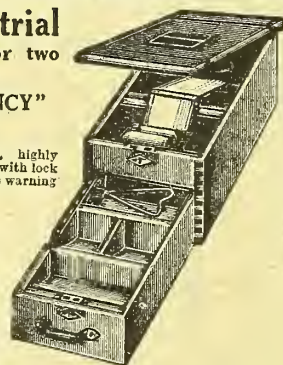
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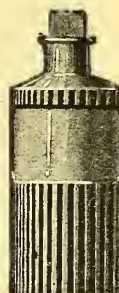
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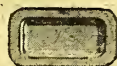


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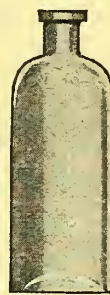
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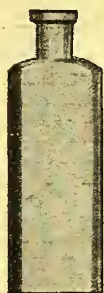
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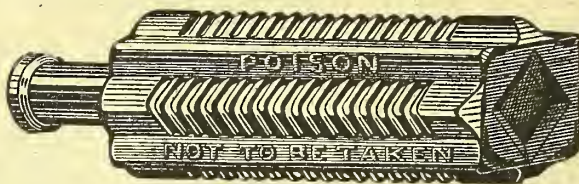
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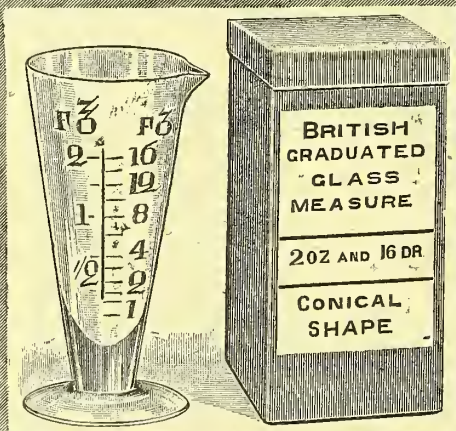
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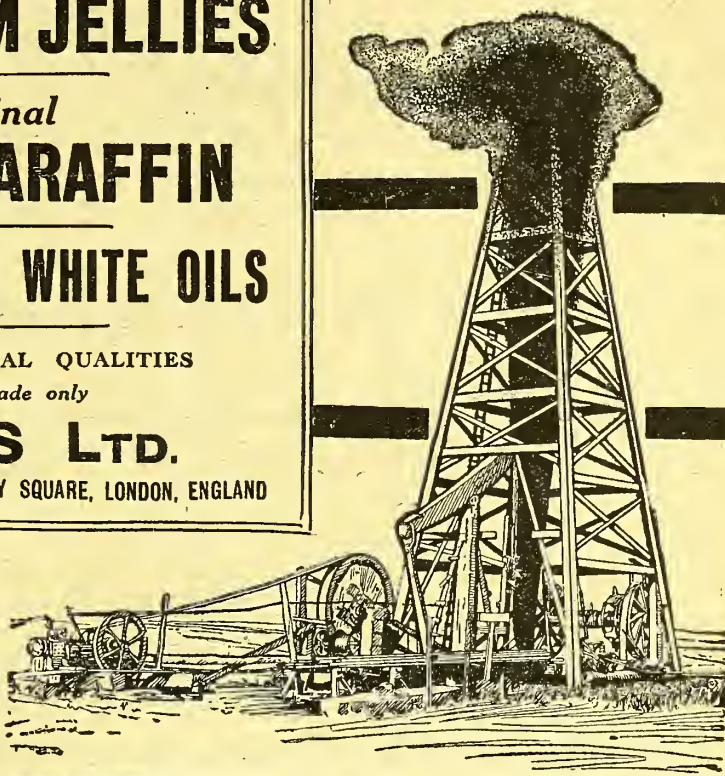
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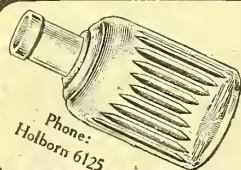
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White and Half White Oils
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QUOTATIONS & SAMPLES will be sent on application.

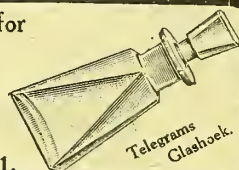


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"CORNOL" Regd. CURES CORNS WITHOUT PAIN

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It is a pity we cannot exactly reproduce the Cornol package in colours. It is far and away the best put-up Corn Remover in this or any other country.

We are so certain that all chemists will be willing to stock such an attractive and immediate seller as Cornol that we will send **ENTIRELY FREE OF CHARGE** one 1/3 size to any chemist who has not yet been approached by our Representatives, or who has not seen Cornol.

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Chemists all over the country are now being asked for Cornol, and enquiries are coming in from the most distant places.

"CORNOL" sells for 1/3 P.A.T.A.
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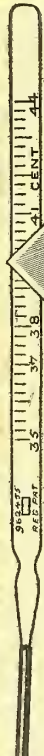
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So the profit is good and there is not the slightest danger of Cornol ever becoming bad stock.

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Clinical

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J. Pillischer

88, New Bond St.
London, W.1

ESTABLISHED 1843



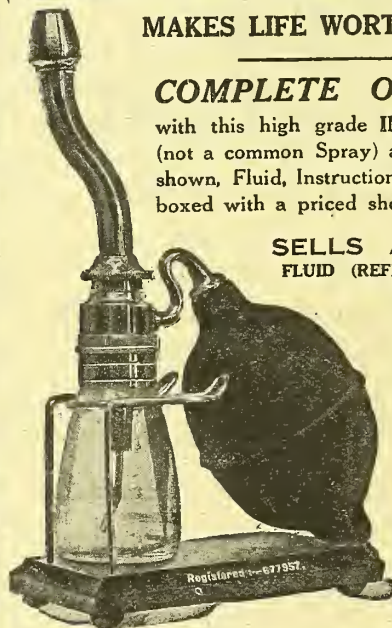
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MAKES LIFE WORTH LIVING

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with this high grade INSTRUMENT (not a common Spray) and Stand as shown, Fluid, Instructions, &c., neatly boxed with a priced show ticket.

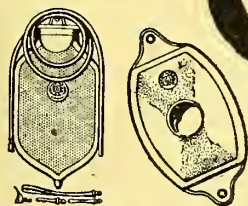
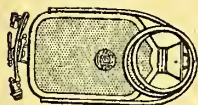
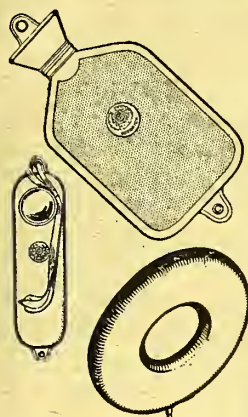
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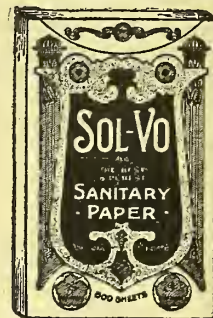


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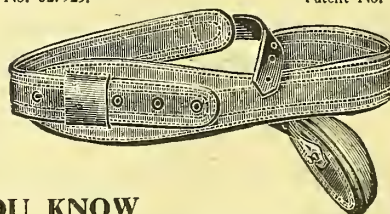
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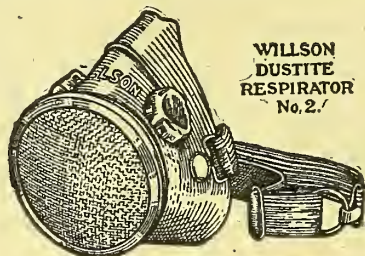
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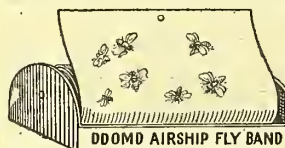
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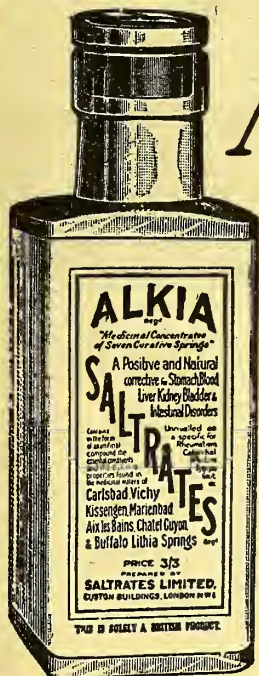
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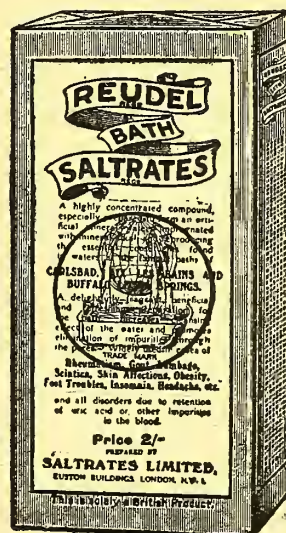
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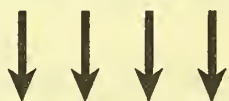
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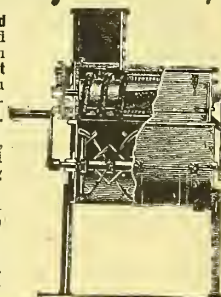
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"That His Majesty's Government be requested to withdraw all instructions given to, or conditions imposed on Welfare Committees for the purpose of causing such committees to withhold from married women in their district information when sought by such women as to the best means of limiting their families."

In the course of his speech he said:—"Fifty years ago this was a new question; its advocacy was punished by penal law; it startled and shocked people. But to-day the only question left was this: 'Will you withhold from the poor the knowledge that is possessed and practised by the rich.'"

Lord Balfour of Burleigh said:—"That the opposition to the resolution was largely on religious grounds. He could not see that religious people had any right to impose their point of view upon women who were helpless because of their poverty."

Earl de la Warr said:—"The movement for Birth Control would go on, and it would be better for the country that it should be properly guided. Just as men in the industrial world were no longer content to be mere wage slaves so women were no longer content to be mere machines for the production of unwanted children."

Mr. Harold Cox, in the course of a recent article in the Press, wrote:—"At last we have reached the point when Birth Control is recognised by the highest authorities in the land as necessary both for individual welfare and national progress."

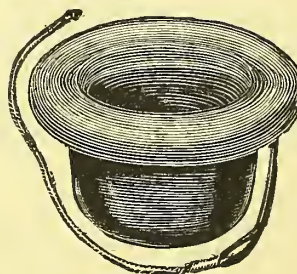
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A WEEKLY JOURNAL OF PHARMACY AND OF THE CHEMICAL AND DRUG TRADES

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

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No. 21	Contents	Series 2417	Vol. 104
	PAGE		PAGE
American Notes	740	General Medical Council	761
Association Affairs	760	Information Department	752
Bankruptcy Reports	744	Insurance Act Dis-pensing	747
Births	751	Irish News	738
Books, New	761	Legal Reports	743
British Pharmaceutical Conference	746	Marriages	751
Business Changes	760	New Companies and Company News	745
C. & D. Commercial Compendium	771	Observations and Reflections	753
C. & D. Retail Price List	752	Personalities	750
Colonial and Foreign News	741	Pharmaceutical Society of Great Britain	749
Coming Events	737	Poisonings	737
Correspondence:—		Recent Patents	746
Letters	768	Retrospect	770
Subscribers' Symposium	769	Royal Institution	750
Legal Queries	769	Scottish News	738
Miscellaneous Inquiries	770	South African News	740
Deaths	751	South African Pharmacy Bill	742
Editorial Articles:—		Stock Exchange Prices	744
Compiling a Pharmacopoeia—V	754	Tour in India	757
Outlook for Arsenic	755	Trade Appeal Fund	749
The Personal Equation	756	Trade-marks	749
English News	737	Trade Notes	752
French News	739	Trade Report	762

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, June 8

Pharmaceutical Society of Great Britain, Hotel Cecil, London, W.C., at 6.45 for 7 p.m. Annual dinner. Tickets (12s. 6d. each) from the Assistant Secretary, 17 Bloomsbury Square.

Wednesday, June 9

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 3 p.m. Annual meeting.

London Chemists' Sports Club.—The final, Script Billiard Handicap, will be played at Shaftesbury Hotel, Gt. St. Andrew's Street, W., at 9 p.m., between Mr. C. Hapgood and Mr. E. C. Pryce or Mr. A. J. Shuttleworth.

Friday, June 11

Edinburgh Chemists', Assistants' and Apprentices' Association, Caledonian Station, at 7.10 p.m. Botanical excursion to Craigleith. Mr. C. Gunn, conductor.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.—The pharmacological laboratories, 17 Bloomsbury Square, London, W.C., will be opened on June 16 at 3 p.m. by the Minister of Health.

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Poison-Licence Applications

Dover Town Council has granted a licence for the sale of agricultural and horticultural poisons to Mr. A. W. Killick (G. & A. Clark, Ltd., florists).

Mr. H. H. Holmes, Lazenby, Eston, has applied to the North Riding of Yorkshire County Council for a licence under Section 2 of the Poisons and Pharmacy Act, 1908.

Bell & Thirlwell, agricultural and horticultural merchants, Main Street, Brampton, have applied to the Cumberland County Council for a licence to sell sheep dips and weed-killer.

Poisonings

The following cases of fatal poisoning, among others, have been recorded since our last report:—

A verdict of "Suicide during temporary insanity" was returned at an inquest held at Derby, recently, on the body of Amos Staniforth, cattle dealer. Mr. W. Elmitt, chemist and druggist, Osmaston Road, said he had supplied the deceased, whom he had known for a long time, with hydrocyanic acid, which Staniforth represented he required for destroying a dog. The deceased signed the poison-book.

At Hounslow, recently, an inquiry concerning the death of Mr. H. F. Evans, manager of a boot shop, resulted in a verdict to the effect that the deceased committed suicide while of unsound mind. Mr. John Chalmers, chemist and druggist, stated that Mr. Evans was well known to him as a customer, and had bought lysol from him on several occasions. A medical witness added that all the symptoms of lysol poisoning were noticeable.

An inquest was held at Rishton, on May 27, on the body of Robert H. Machell, aged six. Evidence showed that the boy's father, a farmer, had temporarily left on the kitchen table a bottle containing polish for cleaning harness. The boy came in and drank from the bottle. A medical man stated that the lad had taken a corrosive poison containing nitric acid and mercury. The coroner, in recording a verdict of "Accidental death," said it was a pity that the bottle was not placed on the shelf by the father.

At Wimbish, recently, the death of Mrs. Alice Cox was investigated by the coroner. Evidence was given to the effect that Mrs. Cox died from the effects of poison accidentally taken in mistake for port wine, the two bottles standing side by side on a shelf in the scullery, which was lighted by a candle. Charles T. Cox, a son of the deceased, said he was employed at Saffron Walden. In the course of his work he used a solution of nicotine for plants. He brought home the bottle about six weeks ago to spray the green fly on some plants. The bottle had no red "poison" label on it. He knew it was poison, but did not know it was so deadly. Dr. F. A. Hepworth said he examined the glass and two bottles. One contained port wine and the other bottle and glass a solution of nicotine. It was very poisonous, and deceased probably died within five or ten minutes. The bottle was not properly labelled as "poison." Mr. Carl Engelmann, Saffron Walden, said the deceased's son had been in his employ for some years, and understood the spraying of plants. This solution was kept locked up, and was given to the men as required. He bought it in large tins which were properly labelled, and he signed for each lot purchased. He did not give Cox permission to take any home. The coroner, in recording an "Accidental death" verdict, exonerated Mr. Engelmann from blame, and remarked that C. T. Cox should have been more careful.

Birmingham and District

The next outing of the local association is to the works of the Dunlop Rubber Co., Ltd., on June 16.

Mander Brothers, varnish manufacturers, Wolverhampton, have purchased the National Phosphorus Factory, Heath Town, Wolverhampton.

The first of a series of lectures at Birmingham University on spa treatment was given on May 27 by Dr. C. W. Buckley, who described the characters of Buxton and Bath waters.

Liverpool

Mr. John Bain, Lime Street, has just returned after a vacation in the Lake District.

According to a well-known city chemist, the "saline" season, which is a bit late this year, has begun.

Hazel & Robson, chemists, Rumford Street, are removing during the summer to new premises in Oriel Chambers, Water Street.

Chemists are still complaining about trade being slow, and are not hopeful of any material improvement until the coal strike is settled.

The committee of the Liverpool Pharmacy Club are considering the holding of a summer outing, but are waiting for better weather before deciding the date.

Showing how times have changed, a city chemist who used to sell three to four dozen seidlitz powders on the day after a Bank Holiday, was not asked for a single one on Whit Tuesday.

Clay & Abraham, Ltd., are displaying in their Lord Street window a variety of toilet requisites, including Violet Oil, one of the specialities in the "Canda" series—Messrs. Clay & Abraham's registered trade-mark. [Corrected note.]

Thirty members of the tennis section of the Pharmacy Club were enjoying the game at their headquarters at Wavertree on Whit-Monday, when the rain came. The party adjourned to the pavilion and spent the rest of the day by indulging in a sing-song, which helped them to forget the depressing conditions outside.

Mr. John H. Robinson, Exchange Station Pharmacy, has now been in business for twenty-five years, and during the quarter of a century has seen many changes in the central area of the city. Eight new chemists' shops have been opened, ten have changed hands (some more than once), and six have been closed.

Sheffield

Mr. W. T. Harlow, chemist and druggist, Chapeltown, Sheffield, has taken over the business of Mr. J. C. Gibson, chemist and druggist, Nottingham Street.

Owing to the illness of Mr. John Evans, F.I.C., Ph.C., who is suffering from pneumonia, the City Council has appointed Mr. H. Childs, B.Sc., as analyst for three months.

There was an outbreak of fire at the pharmacy of Miss A. Shaw, chemist and druggist, Main Road, Handsworth, recently. Though somewhat alarming, the damage caused by the outbreak was not of an extensive nature.

Miscellaneous

FIRE.—An outbreak of fire occurred recently on the premises of Mr. R. E. Knowles, chemist and druggist, Regent Road, Morecambe, causing considerable damage.

IN THE COURTS.—At Burnley, on June 1, Percy George Dales (43), described as a retired chemist, was sentenced to three months' imprisonment on a charge of insulting behaviour. The defending barrister gave notice of appeal.

CRICKET.—On May 26, Southampton chemists beat Portsmouth chemists by forty runs. The home team declared at 116 for nine wickets, the chief scorers being:—Wilson 29, Pearson 24, Trussler 30, Altenheim 12. For Portsmouth, Sharp made 38 and Tremlet 19 runs. At the tea interval Mr. Young welcomed the guests, and Mr. Bown replied.

"THE TIMES" POLICE FUND.—The following additional contributions to "The Times" police fund (*C. & D.*, May 29, p. 696) are announced:—J. & E. Atkinson, Ltd., £50; Borax Consolidated, Ltd., £105; Carless, Capel & Leonard, £52 10s.; Lewis & Peat, Ltd., £52 10s.; members of the London Shellac Trade Association, £63 11s. 6d.; United Glass Bottle Manufacturers, Ltd., £105.

Scottish News

Brevities

Except for the photographic trade, business in Edinburgh is gradually returning to normal.

Mr. G. Stephen, chemist and druggist, Huntly, has been appointed to supply drugs, etc., to the town council.

Glasgow

The annual golf match between Glasgow and Edinburgh for the Rainy Brown trophy was played over Milngavie recently. There were twenty players a side, and the result was a draw.

The rambling and tennis sections of Glasgow Pharmacy Club will go for an evening cruise on June 8. The steamer leaves Port Dundas at 7 p.m., Firhill 7.15, and Ruchill 7.25. Tickets (2s. 6d., including tea) may be obtained from the Misses Arthur and Grindrod and Mr. Sime.

To fill the vacancy caused by the death of Mr. C. H. Fryer, Ph.C., Mr. W. H. Scagell, who for many years represented Houghton-Butcher, Ltd., photographic apparatus manufacturers, London, W.C., in Scotland and the North of Ireland, has been appointed manager of the company's Glasgow depot at 70-78 York Street.

Irish News

Pharmaceutical Society of Ireland

The latest dates for making applications for entrance to the July examinations, 1926, are as follows:—Preliminary Examination, Thursday, June 17; Registered Druggist Examination, Tuesday, June 29; Ph.C. Licence Examination, Wednesday, June 30; Pharmaceutical Assistant Examination, Monday, July 5.

Brevities

On May 31 the dwelling-house and premises of Mr. J. W. Whelan, M.P.S.I., Meeting Street, Keady, co. Armagh, were completely gutted by fire.

Mr. John Lawrence McKeogh, M.P.S.I., has been appointed dispenser to Waterford Tuberculosis Dispensary.

Belfast

During the quarter ended March 31 721 tons of drugs and chemicals entered the port of Belfast, 59 coming from abroad. For the same quarter in 1925 the total was 845, of which 33 came from abroad. Thirty-eight tons were exported, against 10 in the corresponding 1925 quarter.

Mr. J. Harold Totten, F.I.C., public analyst, Belfast, in a report to the Corporation, states that during last year eleven samples of apples were examined for the presence of arsenic. In three specimens arsenic could not be detected, whilst in eight, confined to two particular varieties of imported and not home-grown apples, it was found, the amount present varying from 0.001 to 0.013 grain per pound, calculated on the whole apple.

Mr. David Moffatt, M.P.S.I., Rostrevor, has been appointed by the Ministry of Home Affairs to the position of Inspector under the Pharmacy and Poisons Act (N.I.), 1925. Mr. Moffatt, who qualified in Dublin in 1920, is a County Cavan man who has distinguished service in the great war to his credit. He joined the 110th Field Ambulance, R.A.M.C., of the Ulster Division in 1914, and saw service in France until 1919. On promotion to the rank of regimental sergeant-major in 1918, he was transferred to the 98th Field Ambulance of the 30th Division, and received the Military Medal, being mentioned in despatches. Mr. Moffatt entered on his duties on May 25.

TRADE DURING THE GENERAL STRIKE.—It is reported by some chemists in West Yorkshire that early in the period of the general strike there was somewhat of a rush for infants' foods, and that as a result of the extensive walking which has been demanded of thousands of people there has developed a good demand for foot ointments, lint, and liniments.

French News

From the "C. & D." Paris Correspondent

M. TIFFENEAU, professor of chemistry in the Paris Faculty of Sciences, has been nominated professor of pharmacology in the Paris Faculty of Medicine.

BROMINE FOR FRANCE.—The French manufacturers, being unable to meet the present demand for bromine, application has been made to obtain the importation of this drug from Germany on reparations account.

M. CRINON, the grand old man of French pharmacy, has been compelled by eye trouble to abandon the editorship of the "Répertoire de Pharmacie," and this journal has now ceased to exist. It had appeared for eighty-two years, having been founded by Bouchardat in 1844.

ARMY RESERVE PHARMACISTS.—The President of the Republic has signed a decree providing that soldiers in the reserve, holding at least eight inscriptions in pharmacy, after passing a test examination, be nominated auxiliary pharmacists in the reserve, with the rank of adjutant. This rank, in the French army, is intermediate between the highest non-com. and the lowest commissioned officer.

MYSORE SANDALWOOD OIL.—A letter was received by the Wholesale Druggists' Association from Messrs. Duclos, the Mysore Government agents for the sale of sandalwood oil in France, denying the rumour spread that the Mysore distilleries were about to cease operations, rumours spread, the letter stated, by foreign vendors anxious to clear stocks.

WOMEN PHARMACISTS.—The number of first-year lady students at the Paris Faculty of Pharmacy is 77, as against 153 men; in the fourth-year class there are 52 female and 93 male students. The influx of the fair sex has steadily increased since the war, and does not appear to have entailed any special consequences or alterations in the arrangements of the Faculty. At Toulouse, it appears, the library and laboratories have each a male and female side, but at the other Faculties we do not learn of anything of this nature.

THE ARREST OF A PARIS DOCTOR, who is accused of prescribing "dangerous drugs," was followed by police visits to a number of chemists' shops. The number of prescriptions seized by the police is stated by a Parisian journal to be 10,000, a fact which would seem to testify that the detectives, untrained in reading medical hieroglyphics, must have indiscriminately laid hands on whole files. However, it is added that some twenty medical practitioners have been invited by the examining magistrate to explain a number of the confiscated documents.

THE NEW PLAY, "DR. MIRACLE," by MM. François de Croisset and Robert de Flers, tells of a medical practitioner who has discovered a serum which prevents decay of the tissues and thus lengthens human life indefinitely. Various unforeseen consequences of such a discovery form the groundwork of the play. Dr. Richet, the eminent medical authority, contributes an article to a Parisian daily, raising the interesting question as to whether such an innovation, were it possible, would be desirable. He quotes the classic example from "Gulliver's Travels," and adds: "One can see the disadvantages of this revolution in our habits and customs. Doctors, pharmacists, notaries and insurance agents would be ruined. No more inheritances!"

THE 1926 SALON is as innocent of scientific subjects as of those huge historical and allegorical paintings which were a leading feature in the happier days when the French Government authorities could still afford to spend public money on artistic effort. I noticed among the medals and tablets a relief portrait of Professor Grimbart, of the Paris Faculty of Pharmacy, in his robes of office, and the few stained glass exhibits included four amusing groups typifying medicine and surgery in lighter vein—Æsculapius and Rabelais, Diafoirus and Tronchin, Vulcan and Ambroise Paré, and a quaint representation of Guy de Chauliac, the famous Montpellier practitioner of the past, amputating with a carpenter's saw under the astonished gaze of a modern and white-bloused surgeon.

THE SOCIÉTÉ DES PHARMACIENS AGRÉÉS PRÈS LA FACULTÉ DE PARIS—i.e., those pharmacists authorised to train apprentices—organised a competitive preparatory examination for students, and distributed prizes to those who obtained the highest number of marks. Books to the value of 100 francs were thus publicly presented to M. Dumesnil and Mlle. Delépine (daughter of the professor in the Paris Faculty of Pharmacy), and to the value of 60 francs to MM. Auregan and Bertaut, and Mlles. Guérin and Leclerc. The vice-president of the Paris Pharmacists' Association expressed the hope to see these young people, later on, sitting at the Association's council table, and the president said that he trusted that next year's prize distribution would be held in the Faculty of Pharmacy itself, under the chairmanship of the Dean, Professor Radais.

NEW TAX ON PROPRIETARIES.—The Excise authorities have issued a circular explaining that the new tax on proprietaries is applicable: (1) When these are represented as having curative or preventive properties, even if these are only stated on the label or wrapper; (2) when they are publicly advertised. These last two words are more specifically defined in the circular as embracing posters, newspaper advertisements, circulars, "hommes-sandwichs" (*sic*), blotting pads in post offices and banks, etc. The only publicity which does not render the product liable to the new tax is: (1) a wrapper dealing exclusively with the different pharmaceutical forms of the article; (2) advertisements addressed exclusively to doctors and pharmacists (circulars, trade journals); (3) posters or notices in the pharmacy window advertising a product prepared and retailed by the owner himself.

SUNDAY CLOSING.—The long struggle—it has lasted some eighteen months—of certain pharmacists against the application of the Sunday closing order appears to have terminated in a victory for the authorities. M. Hocque, a pharmacist keeping open shop at the corner of the rue Fabre d'Eglantine, close by the Place de la Nation, has been prosecuted on sixty-three counts, and condemned not only to fines and damages amounting to 10,000 francs, but also to two days' imprisonment. He set up a "mortuary chapel" just inside his pharmacy, with a six-foot monument inscribed: "Here lies the parchment corpse of the diplomas of Doctor in Pharmacy and first-class pharmacist, to-day dead after a long and cruel malady rendered incurable by the Conseil d'Etat and the Court of Cassation," and "Here lies Liberty, buried in oblivion." The pharmaceutical associations which have upheld the crusade against Sunday closing sent delegates with wreaths bearing appropriate inscriptions. This little pleasantries enlivened the neighbourhood for several hours, and police intervention was necessary to keep the curious crowd moving on.

EIGHT HOURS' DAY.—A ministerial circular provides that the eight hours' day (or forty-eight hours a week) is to be insisted upon in pharmacies, but to avoid friction, and gradually to accustom the public to the reduced hours, a certain toleration will at first be used. This will take the form of allowing town pharmacists to "put in" 250 hours "overtime" (i.e., over and above the 48 hours per week) per annum during the next two years, 200 in 1928 and 1929, and 150 only in 1930. In places with under 5,000 inhabitants, 350 hours per annum will at first be tolerated, and the minimum of 150 hours only reached in 1934. There is also a scheme before Parliament to assure all workers a paid fortnight's holiday yearly, but this is so far a mere proposition. The students who increase their income by acting as "locums" in Parisian pharmacies are hard hit by the Sunday closing decree, and are now complaining that the application of the Eight Hours' law still further reduces their chance of earning something to meet the increasing fees at the Faculty. The law applies to temporary as well as permanent assistants, and the five or six hours' work they could once put in by working from 5 p.m. (when the obligatory laboratory work at the Faculty terminates) till 11 p.m. or midnight is now reduced to two or three. The proposed closing of all pharmacies at 8 p.m. and the suppression of the "night pharmacies" has also aroused their apprehension, though these two proposals have not yet been enforced.

South African News

From "C. & D." Correspondents.

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Orange Free State

QUESTION OF COMPANY DIRECTORATE.—At the annual Congress of the Associated Pharmaceutical Societies of South Africa, opened at Bloemfontein on April 14, a resolution standing in the name of the Natal Pharmaceutical Society expressing a desire to grant reciprocity between the Free State and the other Provinces was carried unanimously. It was the feeling of the congress that the disability under which the Free State had laboured so long should be removed, and the time for this was now ripe. The President, in his annual report, drew special attention to the growing evil of qualified men "covering" unqualified persons. He asked those present to join with him in an endeavour to uphold the status of the profession and to discontinue such unprofessional conduct. He felt that until the people inside the profession took this matter seriously in hand, it would be impossible to raise the status of the profession and to put it on the same footing as that of medicine and dentistry. It was the feeling of the council that they should insist on the full directorate of a limited liability company carrying on business as chemists and druggists all being fully qualified men. It was understood that the Minister of Health was only prepared to grant a compulsory 60 per cent. for such a directorate. It was urged, however, that in order to ensure the livelihood of young South Africans as qualified chemists, and in order to prevent their exploitation by capitalists, a full 100 per cent. of the directorate must be qualified men. So strong was the feeling of the meeting on this point that the opinion was expressed that it would be better to have no Bill at all than one which did not contain the desired clause. It was the future of the youth of South Africa that they were considering, and it was felt that without this clause pharmacy as a profession would die out in this country. It was decided that these views should be transmitted to the Minister.

Pharmaceutical Society of Cape Province

A GENERAL MEETING was held at Markham's Building, Capetown, on April 29. Mr. Lazarus (President) was in the chair, and there were present Messrs. Froembling, Linley, Hill, Hughes, Wasserfall, Meyer, Murphy, Sloan, and Miller. The delegates to the recent Conference of the Associated Pharmaceutical Societies of South Africa (Messrs. Lazarus and Hughes) reported to the meeting. Mr. Lazarus said: "My first duty in reporting on the annual conference is the pleasant one of announcing the unanimous election of our esteemed member, Mr. T. J. Hughes to the presidential chair of the Associated Societies. My next duty is to mention with gratitude the cordial reception and entertainment which our confrères in the Orange Free State extended to your delegates. The fraternal spirit displayed was most gratifying. No report of the Conference would be complete without reference to the able leadership and impartial fairness of the retiring President, Mr. Spruit. The balance-sheet has been before you, and the financial position appears fairly satisfactory. In view, however, of probable legal proceedings in connection with the Live-stock Remedies Regulations, I took the liberty, after discussion, of withdrawing our Society's resolution dealing with reduction of subscription. A full report of the Conference will be published shortly, and I would recommend that a careful study be made of the proceedings." Mr. Lazarus then briefly outlined the business done at the Conference. Mr. Hughes said there was little to add to Mr. Lazarus's remarks, but he, too, wished to emphasise the excellent spirit prevailing at the Conference, and hoped more chemists would be able to attend the meetings in future. Mr. Lazarus mentioned the fact that the Cape Province had fewer chemists in proportion, belonging to pharmaceutical societies, than any of the other Provinces, and urged the necessity of an endeavour being made to increase the membership of the Cape Society.

American Notes

By "The Man from London"

THE NEXT CONVENTION of the American Pharmaceutical Association will be held in Philadelphia in the week of September 13. The convention of the National Association of Retail Druggists will be held there in the following week.

DANGEROUS DRUGS?—A Kansas City druggist was recently absolved in the Circuit Court there of liabilities in connection with the death of a three year old child, alleged to have been caused by fireworks sold by the druggist and swallowed by the child.

U.S. CHAIN STORE FIGURES.—About 2,000 U.S. drug stores are conducted on the chain system. One firm controls between 600 and 700 department stores. A Baltimore shoemaker owns 1,000 stores in various localities, and tobacco is "chained" in 2,000 distributing stores.

THE CHIROPRACTORS and drugless healers of New York lost their fight for state recognition when the Gibbs Bill was killed. The Bill was practically "laughed to death" when the wonderful healing powers of a blacksmith-chiropractor were described by the introducer of the Bill.

ALCOHOLIC MALT EXTRACT LEGALISED.—The Treasury Department has authorised malt extracts having an alcoholic content of 3.75 per cent., and druggists in "bone-dry" states are having trouble. Arrests have been made in Indiana (one of these states) of persons charged with selling malt tonic at fifty cents per bottle. Chicago greeted the first consignment of 1,500 cases of the "tonic" with shrieks from tug-boats and locomotives.

METRIC WEIGHTS AND MEASURES FOR U.S.—The Hon. F. A. Britten, of Illinois, has introduced a Bill into the present Congress which is now in the hands of the Committee on Coinage, Weights and Measures. It provides that after January 1, 1935, metric weights and measures shall be used in trade and in charging and collecting transportation, etc. There is a slight change in wording, the exact reason for which is not clear. The "liter" becomes the "world quart" and the "meter" the "world yard," while 500 gm. becomes the "world pound."

USES FOR PERMANGANATE OF POTASH.—The Carus Chemical Co., Illinois, announces ("Pharmaceutical Era") the result of a contest for new uses of permanganate of potash. The first prize of \$200 was for the invention and commercial introduction of a waterproof glue made from soya bean and permanganate. This glue is used for making plywood, veneer for doors, etc. The second prize of \$30 was given to two separate contestants. The use suggested by both of these is a treatment of seed potatoes with a 5 per cent. solution of permanganate against fungus. The contestants claim that a dip in manganese sulphate is effectual in increasing potato crop yield, and that permanganate is beneficial in two ways: first, against fungus, and, second, to aid the growth of the plant. A third prize was given for a suggestion to stop the growth of mosquito larvæ in rain-water barrels, etc.

NEW YORK CHANGES PHARMACY LAW.—After January 1, 1928, there will be only one examination for licentiates in pharmacy in New York, that of "registered pharmacist." Junior pharmacists will no longer be licensed by the New York State Board of Pharmacy, and potential "licensed druggists" will have to complete their examinations before the above date. This change is the result of the passing into law of the Lattin Bill which amends the law relative to the practice of pharmacy in New York State. The amendment provides that candidates for examination shall have not less than four years' academic work before beginning the first year of pharmaceutical study. A three years' college course and four years' practical experience under a pharmacist are necessary (one year of this experience must have been gained in the United States). All candidates for examination as pharmacists must be citizens of the United States or have made proper application to become citizens.

Colonial and Foreign News

DRUG AND CHEMICAL DEALERS' GUILD IN SHANGHAI.—More than two hundred foreign and Chinese drug stores and dealers in chemicals in Shanghai have organised a guild, known as the Industrial Raw Material Merchants' Guild. Lin How-chin is provisional President, Chang Lin-sheng and Wang Fu-chun provisional Vice-Presidents.

WIRELESS POST-GRADUATE COURSES.—Medical post-graduate courses by wireless have already been arranged in Germany, and now it is suggested to do the same for pharmacists. It is pointed out that the imminent issue of a new edition of the pharmacopœia would afford a good opportunity for broadcasting to pharmacists explanations of the innovations introduced, which would be welcomed by those not able to attend scientific meetings.

UNLICENSED CHEMISTS.—At the magistrates' court, Nairobi, Kenya, on April 13, Mr. C. L. Ravenscroft and his partner, Dr. Torrance, trading as the Medical Supply Company, were fined 40s. each for carrying on the business of a chemist and druggist without being licensed; they were also fined 20s. each for using the title of chemists. Mr. Ravenscroft was also fined 10s. and Dr. Torrance 40s. for publishing a price list containing reference to a remedy for venereal disease.

DANISH PHARMACISTS' PENSION FUND.—The Danish Minister of the Interior has approved the statutes of the pension fund elaborated by the Dansk Farmaceutforening, the association of pharmacy assistants. Membership is limited to qualified pharmacists under fifty-five years of age engaged as assistants or managers in Danish pharmacies or pharmaceutical laboratories, teachers or assistants in the school of pharmacy, or as inspectors of pharmacies. The fund will derive its income from the monthly contributions fixed at 10 and 12 kroner paid by the members, and from subsidies paid out of the pharmacy fund, in addition to grants and donations. The benefits provided are: A pension on reaching the age of sixty-five, or an invalidity pension in the event of being incapacitated from further work through illness or disablement; in the event of the member's death, his widow and children will be entitled to a pension. The fund will be administered by a board consisting of five members, four of whom are to be elected by the insured, while the fifth member will be appointed by the Minister of the Interior.

HEALTH INSURANCE DISPENSING IN WARSAW.—The associated sick clubs in Warsaw have in the course of the past years built up an extensive organisation for the supply of medicines, etc., to their members. The "kasa chorych," the central sick club formed by the amalgamation of a number of large clubs, now owns nine pharmacies devoted exclusively to the supply of medications to insured members. In one of these about 2,500 prescriptions are made up daily, and the total number of prescriptions dispensed in the nine club pharmacies far exceeds that dealt with by all the other pharmacies of the city collectively. In addition, the club maintains a central depot for drugs, chemicals and surgical appliances, as well as several well-equipped laboratories for the manufacture of pharmaceutical preparations, surgical dressings, analytical and bacteriological work, and also for the preparation of serums. Altogether 180 qualified pharmacists are employed by the associated sick clubs of Warsaw. By providing their own pharmaceutical service on behalf of their members, instead of through privately owned pharmacies in the usual way, the Warsaw central sick club is able to effect an annual saving of nearly 5,000,000 zlotys on a total revenue of 25,000,000 zlotys.

NEW CURRICULUM IN DENMARK.—The commission recently appointed by the Danish Minister of Justice to suggest reforms in the pharmaceutical curriculum has issued its report. It recommends that apprenticeship should cover a period of two and a half years in the case of holders of the matriculation certificate, and three years in the case of entrants possessing the higher schools' certificate. Apprentices will be required to prepare at least 35 galenical and 15 chemical preparations, keep a record of the work done in the laboratory,

and prepare a herbarium containing at least 200 plants. At the conclusion of the apprenticeship period the candidate has to sit for the pharmacy assistant's examination. After a two years' course of study at the Pharmaceutical Institute, which is to include chemistry, materia medica, botany, pharmacy, physics, bacteriology, sterilisation, and courses in book-keeping and business training, the final examination has to be passed. Danish pharmacists regard the proposed new curriculum as an unsatisfactory compromise, and it is generally regretted that the matriculation certificate is not to be made the educational standard for all entrants into the profession.

ITALIAN ARMY PHARMACISTS.—A Royal Decree, which provides for the reorganisation of the *personnel* of the Italian army pharmaceutical service, stipulates that army pharmacists holding the rank of officers attached to army hospitals and infirmaries shall be entrusted with the duties pertaining to their profession, and, in addition, shall carry out the necessary toxicological and food analyses falling within the province of the army. Sub-lieutenant-pharmacists wishing to be promoted to the rank of lieutenant-pharmacist on the active staff will be admitted to a special course of instruction at the School of Military Hygiene, following a preliminary competitive examination open only to holders of a university degree in pharmacy or chemistry, in addition to the diploma of pharmacist. Promotion to the rank of pharmacist-major will be based on the result of an examination, but publications by the candidate of practical importance to the pharmaceutical service of the army will be taken into account. Another examination shall precede promotion to the rank of lieutenant-colonel-pharmacist, while the rank of colonel-pharmacist will be conferred on those possessing special qualifications and experience.

NEW CHINESE DUTIES.—Reports from China state that the possibility is not excluded that the 2½ per cent. surtax on the import duties into China, as well as the additional 2½ per cent. surtax on luxury goods, provided in the Washington treaty of 1922, may be enforced on July 1 next. The following articles, classed as luxury goods, would become liable to a cumulative 5 per cent. surtax on importation into China: Toilet preparations; perfumes; cosmetics; tooth pastes; manicure accessories; medicinal substances and preparations not included in an official pharmacopœia, and of which the composition is not disclosed on the container or on the label. In this connection it may be mentioned that the Peking customs conference will have to establish the surtaxes to be levied in compensation for the abolition of the existing Chinese internal duties. At present it is tentatively suggested that, in addition to the above-mentioned 5 per cent. surtax on luxury goods, a further *ad valorem* surtax of 17½ per cent. should be levied on these articles, while drugs and pharmaceutical products should be charged an additional 7½ per cent. *ad valorem* surtax. However, the preliminary negotiations regarding the abolition of the Chinese internal duties are not yet concluded.

ADVERTISING MEDICINES IN ESTONIA.—The Government of Estonia has issued an order stipulating that all advertisements referring to: (1) The sale, use and action of medicaments and medicinal appliances; (2) hygienic, cosmetic, dietetic and similar preparations; (3) the professional activities of pharmacists, the manufacture and sale of medicaments, etc.; (4) mineral waters, spas and medicated baths, must be submitted to the Department of Health for approval prior to publication. It is forbidden to refer to the fact that the importation, manufacture or sale of the preparation advertised is permitted by the Health Department. In addition to the name and composition of the preparation, the address of the manufacturer, where it is obtainable, and the retail price must be included. References to its uses may be made in general terms only; it is forbidden to give a list of its healing properties or of the ills for which it is to be used; a general statement, however, is permitted—e.g., that the preparation may be used in nervous disorders. Advertisements may not contain any unfounded claims liable to mislead the public. The permission for publication is valid for one year only. The provisions of this order apply also to pamphlets, and to price lists of medicaments.

South African Pharmacy Bill

THE debate on the second reading of the South African Medical, Dental and Pharmacy Bill was resumed in the Union House of Assembly on April 21 (see *C. & D.*, May 29, p. 700).

Sir Thomas Smartt expressed himself as entirely in favour of the broad principles of the Bill, but commented on the "extraordinary constitutional procedure" of one of the Minister's colleagues (Mr. Boydell), in an impudent and even impertinent manner, delivering a most scathing and bitter attack on the measure. When Dr. Malan got up to reply it was to be hoped he would give the necessary castigation to his colleague, the Minister of Labour, for the extraordinary manner in which he had attacked the vital principles of this Bill.

Major G. R. Richards (S.A.P., Weenen) pleaded for the drugless healer, reminding the House that after the war there were a large number of wounded men for whom ordinary medical science was unable to afford any relief. He was speaking now very largely in connection with his own experience.

Mr. J. Henderson (S.A.P., Berea) was of opinion that the Minister was not quite open with the House when he laid down in the Bill that "cults" would be recognised, but that those who practised those "cults" would not be allowed to do so for hire or gain. The Minister must know very well that such a provision simply meant that these men would be shut out altogether. These people could not afford to work for nothing. Telegrams and letters were being received from all over the country, said Mr. Henderson, asking members to oppose this clause. The clause was tantamount to saying: "We do not intend to kill you, but we insist upon your committing suicide." Why should people not be allowed to have their choice as to whether they should employ doctors or drugless healers? The clause seemed to him to be an interference with the liberty of the subject. Drugless healers were neither fools nor liars, and the Minister was going too far when he attempted to shut them out altogether. If he was going to take up that attitude he might as well deal with quack medicines, which were so largely sold and did far more harm than all the drugless healers put together.

Mr. E. Nathan (S.A.P., Von Brandis) intimated he had a letter from the Society of Oculists fearing that under the Bill they would be deprived from carrying on sight testing.

Mr. H. E. K. Anderson (S.A.P., Klip River) denied the Minister's statement that there were witch doctors in Natal. What they had in Natal were native herbalists; who were very harmless, and certainly had the confidence of the natives, and had been practising in Natal before the white man came. These herbalists had to pay a licence and had to be approved by the chief and the magistrate before they were allowed to practise. Native herbalists also practised in the native territories, although there they were not registered as in Natal. Mr. Anderson hoped the Minister was not serious when he said he was going to make a clean sweep of native herbalists, without saying what he was going to put in their place.

Sir Thomas Watt (S.A.P., Dundee) hoped the Minister would set his face like flint against any attempt to recognise so-called drugless healers, whether chiropractics, osteopaths or manipulative practitioners, or whatever they liked to call them. Sir Thomas emphasised the value, from the point of view of the safety of patients, of qualified doctors. It would be open to anybody to specialise in any of the unorthodox methods mentioned, but only after they had passed through an ordinary medical training.

Mr. J. Niewenhuize (S.A.P., Lydenburg) also pleaded the case of poor persons living many miles away from the nearest doctor. It was a simple matter to legislate for persons who had simply to go to the telephone to have the services of a doctor within five minutes.

Mr. H. B. Papenfus (S.A.P., Hospital) showed how several of these "cults" had arisen in America. Although some of the practitioners might be educated nowadays, their predecessors were uneducated. The quacks were trenching upon what should be the peculiar province of the medical man, who had studied the

anatomy of the human body and had hospital training and the experience of the medical profession behind him.

Mr. J. D. Heyns (Nat., Middelberg) pleaded for lenient treatment for persons who performed excellent medical work in isolated areas, and who would, under this Bill, be regarded as quacks. He quoted various authenticated cases of cures by persons who had succeeded where doctors had failed.

Dr. De Jager (S.A.P., Paarl) declared that the welfare of a nation depended upon the ability of its doctors. The secret of the advance of Japan within the past thirty years was due to the fact that that country had embraced the scientific teachings of the West. Nowhere in the world had a medical man yet refused his services because the people were too poor. Doctors, he declared, must have some measure of protection. Little knowledge was a dangerous thing, quoted Dr. De Jager, who alleged that if it was not for the thefts they made from the medical man's store of knowledge the drugless healers would be on a level with the witch doctors of Natal. He wondered what would have happened during the 1918 epidemic if South Africa, or the rest of the world for that matter, had no doctors. The doctors of Cape Town and the Peninsula, said Dr. De Jager, were unanimously of the opinion that this was the best law that could possibly be placed on the statute book.

Mr. J. P. Mostert (Nat., Namaqualand): Yes, for doctors.

Not, proceeded Dr. De Jager, because it protected the doctors, but because it protected the public. Their ability and their knowledge was enough protection for the doctors. This law was in the interests of the public, and because it was in the interests of the public not a single doctor would vote against it.

Mr. Mostert: Of course not.

Mr. A. I. E. De Villiers (Nat., Witbank) deprecated a wholesale condemnation of the quacks, and pointed to himself as a man who had been given up by doctors, but was cured by a quack. He pleaded for consideration of the quack, and quoted cases of cures of cancer and other dread diseases by the unlicensed healer, where the medical man had failed.

QUACKS DEFENDED

Mr. Mostert joined in the defence of the quacks, who had authentic cures to their credit, and suggested that doctors were ready to operate on all and every occasion because of the £50 or £100 fee that attached to an operation. He pleaded for a chance for the isolated farmer, who was too poor to pay doctor's fees, and so he would welcome legislation providing for free treatment for such unfortunate persons.

Dr. N. J. Van Der Merwe (Nat., Winburg) welcomed legislation designed to protect credulous persons against the quack and the hawker. He advocated the fixing of a tariff of doctors' charges on the platteland, where, he said, people had just cause for complaint against the doctors, and expressed the hope that the Bill would be so shaped as to provide for free medical attention for those who could not afford a doctor's services under the existing practice.

Mr. A. O. B. Payn (S.A.P., Tembuland) pointed out that in the Transkei there were only 20 or 30 European doctors for a million natives, and he thought the Minister would be the first to admit that sufficient provision was not made for the medical needs of the natives there. For forty or fifty years herbalists had practised among the natives, and he did not remember ever hearing of a prosecution against a herbalist. There was a very wide distinction between a witch doctor and a herbalist and witchcraft was a crime punishable in the Transkei with imprisonment. The Transkei General Council had made application on many occasions for native herbalists to be registered under similar conditions as those existing in Natal, but the natives themselves had no time for witch doctors. He hoped the Minister would try and bring about some system of medical education for the natives.

Mr. L. J. Steytler (Nat., Albert) felt that the time had arrived to fix doctors' fees. It was not right to draw impenetrable barriers around professions without, at the same time, protecting the public.

The debate was adjourned.

Legal Reports

The Function of an Analyst's Certificate.—At Bow Street Police Court, London, on May 31, George Brampton, fruiterer, Drury Lane, W.C., was summoned for having sold apples containing $\frac{3}{4}$ gr. of arsenic per lb. Mr. Corner, for the defence, raised a preliminary objection that the analyst's certificate did not disclose any offence as required by the Act. The certificate, he said, merely stated the amount of arsenic present, but it should have given sufficient material to enable the magistrate when granting the summons to form a judgment whether any offence had been committed. The High Court had held, in cases which concerned arsenic in beer, that it was not sufficient for the analyst's certificate to state that "the beer contained arsenic," and that "the beer contained arsenic in serious quantities." Mr. Hawkes, for the prosecution, contended that the analyst's certificate was sufficient, as it stated that the apples contained "a percentage of foreign ingredients" and specified the amount of arsenic present. The magistrate reserved his decision.

Compulsory Liquidation Order.—A petition by the Pharmaceutical Society of Great Britain for the compulsory liquidation of the Portersgrange Pharmacy, Ltd., was heard by Mr. Justice Romer in the Companies Winding Up Court on June 1. Sir Thomas Hughes, K.C., for the Society, said that apparently there was no opposition. It was a creditors' petition. The debt was extremely small, but the circumstances were very special. The company carried on business as chemists and druggists, and under certain Acts of Parliament the Pharmaceutical Society had the duty of looking after chemists and druggists to see that unqualified persons did not practise in that business. Under one of the Acts the Society obtained judgment on December 9 last for a penalty of £5 and costs, amounting altogether to between £8 and £9, against the company for practising without having a qualified person to manage its business. The Society endeavoured to obtain payment, and eventually issued a warrant for execution, but the sheriff reported that all the assets were covered by debentures. The company was rather a peculiar one. It was incorporated in 1923 with a capital of £100 in shares, 95 of which belonged to a Mrs. Noble. In March 1925 debentures for £1,000 were issued to Mrs. Noble, and in October 1925 she appointed her husband receiver under the debentures; so apparently Mr. Noble was carrying on the business as receiver for the debenture holders. His Lordship: Does anybody appear for Mrs. Noble?—Counsel: I do not think anybody opposes. His Lordship: In my opinion it is just and equitable that the company should be wound up, and I shall make the usual compulsory order.

British Oxygen Co., Ltd., v. Liquid Air, Ltd.—In the King's Bench Division of the High Court, London, on June 1, the British Oxygen Co., Ltd., Edmonton, sued Liquid Air, Ltd., Kilburn, for damages for alleged libel. Mr. Barrington Ward, K.C., for plaintiffs, explained that the parties were competitors in the oxygen-producing industry. During the autumn of 1924 the defendants carried on an intensive campaign in the Yorkshire district in order to get customers. They tried to indicate to plaintiffs' customers that plaintiffs' prices were much too high. The plaintiffs' customers were thus continually pressing plaintiffs for a reduction. Among those customers were Tanks and Drums, Ltd., Bradford, with whom plaintiffs were in correspondence on the matter of prices (*C. & D.*, I, 1925, p. 446). The plaintiffs brought an action against the defendants in the Chancery Division for an injunction to restrain the defendants from further infringing the plaintiffs' copyright in a letter to their customers. Mr. Justice Romer granted the injunction (*C. & D.*, I, 1925, p. 530). On April 7 a newspaper report of the judgment appeared, which was neither a fair nor an accurate one, and the plaintiffs' case was that the defendants deliberately caused it to be published for the purpose of doing injury to the plaintiffs. Two passages appeared to have been deliberately cut out from the judgment; one reflected favourably upon the plaintiffs and the other reflected unfavourably upon the defendants. On April 7 the defendants

had a shorthand note of the judgment in their possession, and if they had compared it with the report in question they must have known that someone had taken the passages out. Notwithstanding that fact, they sent to a number of oxygen consumers at least 1,250 copies, so that a great many reached the customers of the plaintiffs, inasmuch as the number of oxygen consumers was a limited one. The plaintiffs' reputation and business had been injured. Mr. Kenneth Sullivan Murray, chairman of the plaintiff company, gave evidence in support of counsel's opening statement. Cross-examined, he denied that his company were monopolists who were determined to smash their competitors. The witness agreed that in the years 1914-19 the company's profits respectively were £58,000, £59,000, £90,000, £118,000, £135,000, and £102,000. The competing firm started in Cardiff after the war was Hydrogen-Oxygen Plant Co. They had now abandoned their factories and had made an arrangement with the plaintiffs to take them over. Sir Patrick Hastings, K.C. (for the defendants): Didn't you buy them up?—No. They came to us and said they had not made anything out of the business, and asked if we would take over their factories and make them some allowance. Did you charge your customers a fair price before competition arose?—Absolutely. Were you charging them a fair price at the end of 1924?—Absolutely. 30s. was then a fair price?—Yes. Three months before were you charging Tanks and Drums 37s. 6d.?—Yes. Was that a fair price then?—Yes. Then what had happened in the meantime to bring down the price from 37s. 6d. to 30s.?—Undoubtedly the offers made by competitors had forced us to bring our prices down a little earlier than we had prepared. There was a little bump in the price due to competition. His Lordship: Did you make a profit at 22s. 6d.?—Yes, but very little. There had been a steady development in the use of oxygen, and the cost of production depends absolutely on the amount of oxygen consumed. Ultimately Sir Patrick Hastings announced that the parties had reached a settlement, and intimated that his clients did not now make any imputation against the plaintiffs. It was hoped that any feeling of bitterness would pass, and that both parties would continue in fair and legitimate competition. Mr. Barrington Ward remarked that his clients had not the least objection to fair competition. A juror was withdrawn, and the proceedings terminated.

Insured Person's Spectacles.—In Arbroath Sheriff Court, on May 26, Alexander Lyall, High Street, sued the Prudential Approved Society in respect of the sum of 11s. paid by the pursuer to Mr. James Jack, Ph.C., High Street, for sight testing and the supply of a pair of spectacles. The action was a test case. Mr. J. B. Halliday, solicitor for the defenders' agents, said that the first defence was that the pursuer had no title to sue in respect that he was the nominee of Mr. James Jack, and that neither he nor Mr. Jack had any contract with the defenders, and the second defence was that the Court had no jurisdiction. Mr. Halliday pointed out that the dispute arose not in connection with the original benefits prescribed by the Insurance Act, but in connection with additional benefits. One of the conditions of payment of benefit was that the optician authorised by the Society to supply spectacles must be a member of the Joint Council of Qualified Opticians, and on that register. It so happened that the optician to whom the pursuer applied was not on that register. He (Mr. Halliday) submitted that that was a question of domestic administration which fell within the provisions of the Act under which the matter should have been referred to arbitration, which was the course open to the pursuer in the event of disagreement with his Society. In this case benefit was not being refused, but the Society maintained that it must be administered through the optician on the register of the Joint Council. Mr. Halliday referred to a letter written by Mr. Jack in connection with the case, in which he stated that it appeared that he must have the authority of an outside body before he could engage in that work. Mr. Jack held that the Joint Council had no statutory authority, and that they had arrogated to themselves powers which they could not enforce. No one disputed Mr. Jack's ability or character, for which

everyone had the greatest respect; it was simply a matter of accident that he was not on this particular register.

CASE FOR THE PURSUER

Mr. T. P. Drever, solicitor for the pursuer, said he could not follow the argument that Lyall was the nominal pursuer and that Mr. Jack was the actual pursuer. Mr. Lyall sued the Prudential Approved Society because he had been charged with the amount of an account which he had paid to Mr. Jack and which should have been paid by the Prudential Approved Society. Mr. Drever submitted that the defence that pursuer had no contract must also fall. Between a Society and its members there must be a strong relationship which must obviously be in the nature of a contract. The Prudential Approved Society was not on the register of Friendly Societies. It was regulated under the provisions of the National Health Insurance Act, so that it did not, he submitted, come within the scope of the Friendly Society Act. He (Mr. Drever) was suing for nothing more or less than benefit to which he was entitled, and if Mr. Halliday insisted that benefit was not being refused he thought he was on that statement alone entitled to ask judgment in pursuer's favour. Referring to the Joint Council of Qualified Opticians, Mr. Drever said that that Joint Council, be they what they might, were nothing more or less than another example of English arrogant endeavouring to assert themselves over the Scottish Courts and Scottish opticians. That Joint Council could not have been very sure of their own ground in a case where they paid Mr. Jack his fee through the Prudential Society, although he was not a member. It was not suggested that this Joint Council had the sanction of the Scottish Board of Health. They had the sanction of the Ministry of Health in London, but there was nothing beyond that said as to who they were or what they were in Court. The Joint Council of Qualified Opticians was composed of members of the Spectacle Makers' Company and the British Optical Association, and Mr. Jack was a member of the latter body. Mr. Drever argued that the Prudential Approved Society, as far as surplus funds were concerned, held these funds as trustees for behoof of the insured persons, and were not entitled to enter into any agreement with any such outside body as the Joint Council of Opticians to supply optical treatment. The sheriff made *avizandum*.

Bankruptcy Reports

Re Arthur Campbell Skipsey, 326 High Street, Jarrow, chemist and druggist (*C. & D.*, April 24, p. 590).—The statement of affairs shows liabilities £1,014 11s. 10d., against assets £575. The following are among the creditors:—Ayrton, Saunders & Co., Ltd., £148; Bemrose & Sons, Ltd., £11; De Witt & Co., £11; Harrogate Tablet Co., £12; Thos. Swales, £12; Jas. Wilkinson, £12; Wigglesworth & Co., £29.

Re Agnes Effie Bergin (trading as Margery Leighton), 35 Gray's Inn Road, London, W.C., manufacturing chemist.—The statutory first meeting of creditors was held at Bankruptcy Buildings, London, W.C., on May 13. Mr. Waterer (official receiver) presided. A statement of affairs showed ranking liabilities £3,539, and net assets £2,765. The debtor attributed her failure to liabilities incurred in connection with the taking over of the lease of 6 Chester Terrace and to the non-payment of rent by her tenants in respect of premises in Gray's Inn Road. Mr. F. S. Salaman, C.A., was elected trustee of the estate.

The Ipswich and Suffolk Branch of the Pharmaceutical Society held a most enjoyable tennis tournament on May 26 at Heathfields, Woodbridge Road. There were twenty-two entries and the games were closely contested, in most cases the victors winning by the odd game. The final winners were Miss D. K. Smith and Mr. Haydon, and for runners-up a tie ensued between Mrs. Cook and Mr. W. R. H. Miller and Messrs. Fuller and Tulloch, the former winning by 7-5 on the replay.

Stock Exchange Prices

£1 Shares unless otherwise stated	Dec. 30, 1925	April 30, 1926	May 31, 1926
	s. d.	s. d.	s. d.
Allen & Hanburys, 7% Prefd. Ord.	20 9	21 3	21 3
Amalg. Dental Co. 8% Prefd. Ord.	19 3	19 6	19 6
Deferred 5s. ..	7 0	6 0	6 1
Apollinaris and Johannis, Ord. £1..	9 3	7 10½	7 6
Ayrton, Saunders & Co., 7½% Pref.	13 6	13 6	13 0
Beecham Estates & Pills, 8% Cum. Pref.	21 3	21 3	21 6
Benger's Food, Ord. ..	33 6	£6½	32 9
Boake (A.), Roberts & Co., 5% Pref. £10	£6½	£6½	£6½
Boots Pure Drug, Ord. ..	172 6	118 9	118 9
Boots Pure Drug, 7% "A" Prefd. Ord.	24 0	24 3	24 3
Boots Cash Chemists (Southern), 6% "A" Pref.	22 0	21 10½	21 10½
Borax Consol., Defd. Ord. ..	35 0	35 6	35 0
Bovril, 6% Pref. ..	21 6	21 6	21 9
Ord. ..	23 6	24 0	23 9
Defd. ..	47 6	42 6	44 0
British Celanese, Ord. ..	8 3	5 3	5 7½
7½% Pref. ..	11 3	7 3	6 10½
British Cyanides, Ord. ..	3 3	3 6	3 9
British Drug Houses, The, Ord. ..	—	21 0	21 3
British Dyestuffs Corp., Ord. ..	—	8 4½	8 6
British Glues and Chemicals, Ord.	4 3	3 0	3 3
8% Pref. ..	17 0	13 9	13 9
British Oil and Cake Mills, Ord. ..	27 6	26 6	27 0
British Oxygen, Ord. ..	28 0	25 6	26 3
British Photographic Industries, 6% Cum. Pref. ..	6 3	7 0	7 6
Brunner Mond, Ord. ..	37 3	35 0	33 9
7½% Pref. ..	26 6	26 3	27 0
Bush (W. J.) & Co., 5% Pref. £5 ..	65 0	62 6	65 0
Cadbury Bros., 6% Pref. ..	23 6	23 9	23 3
Callard, Stewart & Watt, Ord. ..	31 3	32 6	32 6
5½% Pref. ..	17 3	18 3	18 6
Crosfield (Joseph) & Sons, 6½% Pref.	18 9	18 6	18 9
Dubarry Perfumery, Ord., 1s. ..	7 6	8 6	8 0
7½% Pref. ..	18 9	20 0	19 3
Eastman Kodak Com. (no Nom. value)	£113½	£113½	£114
Evans Sons Lescher & Webb, Ord. 6s. 8d. shares	—	4 0	4 0
5% Pref. ..	—	4 9	4 9
Field (J. C. & J.), Ord. ..	14 9	12 0	13 0
7% Pref. ..	20 0	19 9	19 3
Gossage (William), 6½% Pref. ..	19 0	18 9	18 9
Grout & Co., Ord. ..	70 0	57 6	55 0
Heppells, 7% cum. partic. Pref. ..	17 6	18 9	19 9
Idris & Co., "A" Ord. ..	18 9	20 0	18 9
Ilford, Ltd., Ord. ..	25 0	23 9	23 9
6% Pref. ..	19 0	19 3	19 3
Intern. Sponge Importers, 6% Pref.	11 3	11 3	11 3
Kent (G. B.) & Sons, 5½% Pref. ..	13 0	12 9	13 0
Knight (John), 25% Prefd. Ord. ..	60 0	62 6	62 6
Laporte (B.) & Co., Ltd., Ord. ..	21 3	21 3	21 3
Lever Bros., Ltd., 7% Pref. ..	20 3	19 9	20 6
8% Pref. ..	20 0	19 3	19 9
20% Prefd. Ord. 5s. ..	10 6	10 4½	10 6
Liebig's Ext. of Meat, Ord. £5 ..	£16½	£16½	£16½
Mellin's Food, 6% Pref. ..	12 6	12 6	13 3
Mond Nickel Co., Ord. ..	37 0	36 0	35 6
7% Cum. Pref. ..	25 0	22 6	22 9
Nathan (Joseph) & Co., 7% Pref.	14 6	15 0	15 6
8% Prefd. Ord. ..	6 9	7 6	8 6
National Drug and Chem. Co. of Canada, 6½% Pref. ..	4 3	6 3	7 6
New Transvaal Chemical Co. 6% Pref.	16 6	17 0	18 0
8% Pref. ..	18 9	18 6	20 6
Salt Union, Ord. ..	31 9	29 0	29 0
Pref. ..	30 0	28 3	29 6
"Sanitas" The, Co., 9% Pref. ..	22 6	23 3	23 0
Schweppes, Ltd., Ord. ..	22 6	23 6	23 0
Defd. ..	37 6	38 0	36 6
Smith (Stephen) & Co., 6% Pref. ..	33 1½	32 6	32 6
Southall Bros. & Barclay, Ord. ..	52 9	55 0	55 9
5% Pref. ..	18 9	18 3	18 6
Spratt's Patent, Ord. ..	50 0	38 9	38 6
Stevenson & Howell, 6½% Cum. Pref.	21 3	21 0	21 0
United Alkali, Ord. ..	35 0	28 6	29 0
United Glass Bottle Makers, 6% Mt.	—	—	—
Deb. Stk., £100 ..	£95	£95	£94½
Venesta, Ltd., Ord. ..	23 9	23 9	25 6
7% Pref. ..	20 0	20 0	20 3
Veno Drug Co., 8% Pref. ..	19 6	19 0	19 0
Virol, Ltd., Ord. ..	82 6	85 0	85 0
7% Pref. ..	21 9	22 0	22 3
White (A. J.) Ltd., Ord. 10s. ..	8 6	8 9	9 3
White (R.) & Sons, 6% Pref.	17 0	17 6	17 6
Prefd. Ord. 10s. ..	7 6	7 6	7 6
Wright, Layman & Umney, 6% Pref.	18 9	18 9	19 3

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

CLONTARF PHARMACY, LTD. (P.C.).—Capital £400. Objects : To carry on the business of chemists and druggists, etc. R.O. : 7 Whitehall Terrace, Clontarf, Dublin.

P. R. FAULKNER, LTD. (P.C.).—Capital £1,000. Objects : To carry on the business of chemists, druggists, opticians, drysalers, oil and colour men, etc. R.O. : 23 Young Street, Kensington, London, W.8.

MARSDEN'S STORES, LTD. (P.C.).—Capital £1,000. Objects : To execute an agreement for assignment of lease of 79 Tottenham Court Road, London, W.C., between H. M. Marsden of the one part and this company of the other part, and to carry on the business of chemists, druggists and opticians in all its branches. The directors are : H. M. Marsden, A. E. Marsden, and S. A. Marsden. Solicitors : Watkins, Pulleyn & Ellison, 6 South Square, Gray's Inn, London, W.C.

WILLIAM COOPER & NEPHEWS, LTD. (P.C.).—Capital £10,000. Objects : To carry on the business of chemical manufacturers, agricultural and general chemists, druggists, drysalers, farmers, gardeners, agriculturists, timber merchants and producers, chemical and agricultural and horticultural experts and inventors, manufacturers of and dealers in all kinds of sheep dips and cattle dressings, fertilisers, etc. The directors are : Sir Richard A. Cooper, Bt., A. D. Robertson, and C. Timson. R.O. : 47 Russell Square, London, W.C.1.

ENERGEN FOODS CO., LTD. (P.C.).—Capital £25,000. Objects : To acquire the brand or trade mark "Energen," to adopt an agreement with R. Maurice & Co., Ltd., and the liquidator thereof, and to carry on the business of manufacturers of and dealers in bread, biscuits, foodstuffs, jams, preserves and provisions of all kinds, whether of a particular dietetic value or not, and whether natural or artificially, mechanically or chemically treated, extracted, manufactured, or prepared, manufacturers of and dealers in mineral waters, wines, cordials, soups, broths and other restoratives, chemists, druggists, etc. Directors : C. S. Martin and R. Maurice. R.O. : Energen Works, Bridge Road, Willesden, London, N.W.10.

LEWIS & PEAT, LTD., report a profit of £146,411 for the year 1925. This compares with £27,821 for the year 1924, and converts a debit balance brought forward of £99,265 into a credit of £47,145. The preference dividends absorb £22,500, leaving £24,645, which the directors propose to carry forward. In their report the directors state that as a considerable part of the brokerage on contracts entered into in 1925 will not appear until this year, they anticipate that the improved results shown will be maintained during the current year.

E. G. LOWE, LTD.—A meeting of creditors was held recently at Newcastle-upon-Tyne. It appeared that the shareholders had met previously and passed resolutions for voluntary liquidation, with Mr. Parkin S. Booth (Association of Manufacturing Chemists, Ltd.) and Mr. John C. Graham, jun., as joint liquidators. It was reported that the liabilities amounted to £3,231 5s. 6d., while the assets totalled £901 15s. 5d. It was decided to confirm the voluntary liquidation. The following are among the creditors :—Lofthouse & Saltmer, Ltd., £195; Ayrton, Saunders & Co., Ltd., £60; Veno Drug Co. (1925), Ltd., £40; Allen & Hanburys, Ltd., £23; D. & W. Gibbs, Ltd., £20; Wigglesworth, Ltd., £20; Wright, Layman & Umney, Ltd., £20; Fassett & Johnson, Ltd., £10.

IONA LABORATORIES, LTD.—A meeting of creditors was held on May 26, when a statement of affairs disclosed liabilities £2,075 4s. 4d., of which £825 4s. 4d. was due to the trade. The assets were estimated at £310. The liquidator said that the company was incorporated in 1925, with a capital of £4,000. Sales had not averaged more than about £35 a week, and it appeared that losses had been incurred throughout. It was resolved that,

providing the cash creditors agreed to withdraw their claims, the voluntary liquidation of the company should be continued, with Mr. G. McNeill, 2 Marsden Street, Manchester, as liquidator, together with a committee. The following are among the creditors :—Brunner Mond, Ltd., £55; International Bottle Co., £100; Johnson & Jorgensen, £60; and Mitchell & Son, £33.

BOOTS PURE DRUG CO.—The net profits for the year ended March 31, 1926, amounted to £688,473 (against £654,837 for 1924-25). Out of this have been paid the year's dividends on all classes of preference and preferred ordinary shares, absorbing £96,750, and interim dividends have been paid on the ordinary shares, taking a sum of £360,000. In view of the present unsettled state of trade, the directors recommend that the last interim dividend shall be the final for the year. The amount distributed to ordinary shareholders is the same as for 1924-25 (36 per cent., less tax), but the rate of dividend is lower since a capital bonus of one in two (raising the ordinary capital to £1,500,000) has been distributed in the meanwhile. It is proposed to transfer £150,000 to reserve fund, which will then total £400,000, and to increase the "carry forward" from £152,629 to £234,352.

NATIONAL DRUG AND CHEMICAL CO. OF CANADA.—The accounts for the year ended January 31, 1926, show a net profit of \$45,112, or £9,269, compared with a loss of \$33,376, or £6,858, in the previous year. The surplus of assets over liabilities on January 31, 1926, was \$3,632,136, or £746,329, which is equivalent for each outstanding £1 cumulative first preference share to £1 13s. 11½d. on January 31, 1926, compared with £1 13s. 7d. on January 31, 1925. After deducting from surplus total outstanding cumulative first preference shares at par, balance is equivalent for each outstanding \$100 seven per cent. preference share to \$114.69, compared with \$112.36 on January 31, 1925. The report states that while general trade conditions in Canada were somewhat better during the year, the company was unable fully to benefit therefrom, notwithstanding the fact that its volume or sales increased. This was because the cutting of prices referred to in the last report increased rather than decreased. In last report directors referred to the movement to form an anti-cutting organisation similar to one that has existed for the last thirty years in Great Britain. They are glad to report that such an association was formally organised on March 15 last with membership consisting of 88 per cent. of retail druggists, practically all the wholesalers, and 138 manufacturers. This organisation will without doubt materially improve conditions in the trade, but the company cannot hope to derive full benefit until 1927.

AMALGAMATED PHOTOGRAPHIC MANUFACTURERS, LTD.—The fifth annual general meeting was held on May 27, Mr. F. G. Thomas, C.M.G., K.C., presiding. In moving the adoption of the report and accounts, the chairman said that the scheme of capital reduction and reorganisation was confirmed by the High Court on March 23, 1926, and had been given effect to in the accounts presented. The results for the period under review showed a great improvement over those for 1924, when the accounts showed a trading loss of £22,495 without any provision for depreciation, while for 1925 there was a profit of £20,976, after making all proper provision for depreciation. Unfortunately, during 1925 very little improvement, if any, took place in the trade of the professional photographer, especially in the industrial areas, where in normal times large quantities of photographic material were consumed. There had been a satisfactory increase in the sales of roll films, but, on the other hand, the sales of roll-film cameras during 1925 were disappointing. With regard to the prospects for the current year, the first four months showed an improved profit over the preceding year. Down to the end of April they had been doing considerably better than in the corresponding period of 1925; but then came the disaster of the general strike, and the company, in common with other businesses, had to face the setback which that had involved. If they could get into more tranquil waters industrially, he was hopeful that the effect would not be so serious as at one time seemed likely.

British Pharmaceutical Conference, 1926

We have received the following details of the arrangements that have been made for the meeting of the British Pharmaceutical Conference to be held at Leicester from August 2 to August 5 inclusive:—

Monday, August 2

- 8 p.m. Civic reception by His Worship the Mayor of Leicester (Alderman George Banton, J.P.), in the County Rooms, Hotel Street. Music, dancing.

Tuesday, August 3

- 10 a.m. Opening Session of Conference at the County Rooms, Hotel Street. Official welcome by His Worship the Mayor of Leicester. Address by the Chairman of the Conference, Mr. D. Lloyd Howard, F.C.S. Session of Conference.
- 11 a.m. Ladies' excursion.
- 1 p.m. Luncheon at Oriental Hall, Market Place.
- 2 p.m. Sessions of Conference.
- 7 p.m. Conference banquet at De Montfort Hall, Victoria Park.

Wednesday, August 4

- 10 a.m. Sessions of Conference. Ladies' excursion.
- 1 p.m. Luncheon at Oriental Hall.
- 2 p.m. Session of Conference.
- 4.30 p.m. Garden party in grounds of the Leicester, Leicestershire and Rutland University College. Tea, music. The official photograph will be taken.
- 8 p.m. Conference ball at De Montfort Hall.

Thursday, August 5

- 9.30 a.m. Closing session of the Conference.
- 11 a.m. Day excursion to Stratford-on-Avon. Special corridor train will leave L.N.E.R. station, Great Central Street. Luncheon on train, arrive Stratford about 12.30. Visit Shakespearean places of interest under conductors.
- 4 to 6 p.m. Free time at Stratford.
- 6 p.m. Return train leaves Stratford (L.M.S. joint station). Dinner served on train. Arrive Leicester 7.30 p.m.
- 8.30 p.m. Farewell entertainment and dance, Bell Hotel Ball Room (Humberstone Gate).

Friday, August 6

SPORTS AT BIRSTALL AND BELGRAVE: GOLF, BOWLING AND TENNIS

The party will travel by train leaving Great Central Street station (L. & N. E. Rly.) at 9.50 a.m., arriving at Birstall at 10.5. Will those who wish to enter for any of the competitions be good enough to apply for entry forms and return them to the stewards in charge before July 24?

- 10.30. Golf—Stroke competition, "Edmund White" trophy. Birstall golf course. Apply to Mr. A. E. Wand, Sandycove, Desford, Leicestershire.
- 10.30. Tennis—Doubles. On the Belgrave Tennis Club grounds. Apply to Mr. S. R. Hancock, Pangbourne, Vicarage Lane, Humberstone, near Leicester.
- 10.30. Bowls on the Belgrave Bowling Club ground. International match for the "London Challenge Cup," at present held by England. Apply to Mr. E. A. Tomlin, 223 Loughborough Road, Leicester.
- 12 to 2.30. Luncheon in the club house of Birstall Golf Club.
- 1 to 5.30. Friendlies—Golf, tennis, bowls, putting competitions.
- 4 to 6. Tea at club house.
- 6.5 and 7.0. Trains leave Birstall station for Leicester.

All Conference visitors should make application for rooms to the hotel decided upon, stating they are of the Conference party. Please note the closing date for booking rooms. All rooms not definitely booked by this date will be considered cancelled. In the event of any difficulty in securing accommodation, kindly communicate with the hon. local secretary,

stating requirements. Books of tickets for the entire programme, from August 2 to 5, are supplied at £2 2s. each. The Railway Clearing House has granted a concession in the cost of railway fares to Leicester, and a voucher for obtaining this reduction will be sent to each applicant for Conference tickets. [Tickets, available from July 31 to August 7, are issued at single fare and one-third. Vouchers must be filled in and personally signed.—EDITOR.] If accommodation is available, tickets for single days will be issued at £1 1s. for Tuesday and Wednesday, £1 10s. Thursday, 10s. 6d. Friday. These tickets, however, will only be granted to members of the Conference and their families. Arrangements will be greatly facilitated if all applications for tickets are made before July 1, and cheques (which should accompany applications) are made payable to Mr. E. L. Burrows, hon. treasurer, Leicester Conference Committee. For the convenience of those attending the Conference an inquiry and information office will be open in the County Rooms on August 2, and for the duration of the Conference.

The following hotels have reserved accommodation:—

	Book by	Bed and Breakfast
Bell (Trust House), Humberstone Gate	July 10	9/-
George, Belgrave Gate	July 10	8/6 (16/- double)
Royal, Horsefair Street	July 10	9/6 (19/- double)
Stag and Pheasant, Humberstone Gate	July 10	9/-
Wellington, Granby Street	July 10	10/6
White Hart (gentlemen only), Haymarket	July 10	7/6
Wyvern (unlicensed), London Road	July 10	8/6 (17/- double)
Victoria, London Road	July 10	8/6

All these hotels are in the centre of the city, and within a few minutes of the County Rooms and near to garage accommodation.

Boarding houses:—

Carisbrooke, London Road	July 10	7/6
Cravenhurst, New Walk	July 10	6/6

These boarding houses are about 1 mile from the centre of the city and are served by an excellent car service.

The address of Mr. J. Barker, secretary of the Local Executive Committee of the Conference, is 136 Errington Road.

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of any British patent can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Bismuth Preparations for Injection.—A process of manufacturing a soluble, oleaginous bismuth preparation, consisting of treating a bismuth salt with sodium naphthenate, and dissolving the resulting bismuth naphthenate in olive oil, or in liquid paraffin. (E. Merck. 226,226.)

Barbituric Acid Compounds.—A process for the manufacture of compounds of dialkyl or aryl-alkyl barbituric acid with 1-phenyl-2,3-dimethyl-4-dimethylamino-5-pyrazolone, consisting in bringing into intimate contact the two components in the requisite proportions. (F. Hoffmann La Roche & Co., A.G. 237,590.)

Synthetic Perfumes.—A process for obtaining monocyclic ketones having more than nine ring members, consisting in heating the thorium or cerium salts of dicarboxylic acids having more than ten carbon atoms, followed by oxidation. The resulting ketones have the characteristic odour of musk and civet, and are chemically closely allied to the natural products. (M. Naef & Cie. 235,540.)

Colour from Henna Leaves.—A process, and an apparatus, for extracting the colouring matter from henna leaves, consisting in exhausting the latter with a solution of sodium carbonate, acidulating the extract and extracting it with a volatile solvent insoluble in water, followed by treating the extract with alkali and precipitation of the colouring matter with an acid. (Coty, S.A. 236,557.)

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

ENGLAND AND WALES

Local Reports

Blackburn.—At a meeting of the Insurance Committee, on May 12, the Pharmaceutical Committee asked sanction to close their shops the whole of June 24, which is Blackburn tradesmen's annual holiday. It was suggested the ordinary weekly half-holiday arrangements for dispensing would meet the case. During March 28,789 prescriptions were dispensed at a cost of £1,031, the highest figure since the inception of the Act. For three months ended March 31 the cost of prescriptions was £2,987, against £2,522 a year ago—which was also regarded as an abnormal quarter.

Devon.—A meeting of the Devon Pharmaceutical Committee was held at Exeter recently, Mr. S. S. Brown in the chair. The copy of a letter was received from the Insurance Committee which had been sent to panel doctors asking them, when prescribing after chemists' hours, either to mark the script "urgent," or to advise the patient that the medicine is not required until the following day. It was also reported that the R.P.U. Executive had communicated with the bottle makers in the hope of obtaining a better standard of accuracy. The report of the Central Checking Bureau for October was approved.

Gloucestershire.—At a meeting of the Insurance Committee, on May 1, it was reported that twelve samples of medicine had been analysed and two required an inquiry. In the one case it was decided to admonish the chemist, and to request him to exercise greater care in future, and in the other it was decided to reprimand the chemist and to recommend the Ministry of Health to withhold from him a sum of £2.

Leeds.—At a meeting of the Insurance Committee recently it was reported that a local chemist had supplied a faulty preparation. Inquiries had been made, and it was found that the wholesale merchant had supplied the goods, and he took full responsibility. The Ministry held that the chemist is responsible to the Committee, and a penalty would have to be imposed.

Leicester.—Difficulties occasioned by the half-holiday closing on the part of chemists were ventilated at a meeting of the Leicester Insurance Committee, held on May 19. Dr. Todd stated that some fresh arrangements for Thursday afternoons, when most of the chemists were closed, were called for. Some of his patients who received prescriptions on that day had to walk long distances before they found a shop open, and in some instances had returned to the surgery with the request that he should make up his own prescriptions. He believed that out of all the chemists in the city only four were open on a Thursday afternoon. After some discussion the suggestion was made that one chemist in each district should remain open on the Thursday afternoon in rotation.

London.—A meeting of the Pharmaceutical Committee took place on May 18, Mr. J. A. Thompson (chairman) presiding. The report of the Central Checking Bureau for December 1925 and January 1926 showed a margin of error in pricing of 0.04 and 0.05 respectively. The secretary reported: (a) Particulars of comparative figures for the fourth quarter 1924 and 1925 as follows:—

	1924	October	November	December
Number of prescript.	576,844	591,316	554,489	
Cost of ingred. ..	£9,087 10 5	£9,412 15 6	£8,838 3 11	
Dispensing fees ..	£10,701 1 4	£10,997 5 6	£10,327 2 11	
Av. ingredient cost ..	3.78d.	3.82d.	3.83d.	
Av. dispensing ..	4.45d.	4.46d.	4.47d.	
1925				
Number of prescript. ..	634,372	662,449	718,663	
Cost of ingred. ..	£9,965 7 9	£10,520 6 6	£11,572 19 7	
Dispensing fees ..	£11,731 16 7	£12,288 11 1	£13,395 11 1	
Av. ingredient cost ..	3.77d.	3.81d.	3.87d.	
Av. dispensing ..	4.44d.	4.45d.	4.47d.	

(b) That arrangements had been made for providing an adequate dispensing service in a district of S.E. London. (c) That the Panel Committee had agreed to request doctors to use the proper titles in every case when ordering a medicine by short title. (d) Particulars of com-

plaints raised against a doctor and a chemist in the Western area; both have been settled. (e) Particulars of an investigation as to the efficiency of the dispensing service in East London. The Committee decided to refer this matter to the appropriate Subcommittee for consideration and report. (f) That complaints regarding illegible prescriptions were now being investigated.—At the monthly meeting of the Insurance Committee, held on May 27, the Finance Subcommittee recommended the payment of accounts amounting to £53,961 2s. 2d. Among these were the sums of £25,863 13s. 11d. to chemists for the medical year 1925-26, and £28 3s. 4d. for drugs under the special arrangements fund. The accounts were passed. The Pharmaceutical Service Subcommittee reported that a chemist who supplied potassium bromide tablets to an insured person instead of barbitone tablets was cautioned. The case was subsequently reviewed by the Minister of Health, who, after considering the representations made by the chemist, decided that £2 be withheld from the Committee, the amount to be recovered from the chemist. The Subcommittee further reported that a prescription was presented to a chemist in pursuance of the scheme for the testing of drugs and appliances supplied to insured persons. The prescription ordered eight ounces of mist. pot. iod. alk. With regard to this, the chemist's analyst expressed the opinion that the sample contained 51 grains of ammonium carbonate instead of 48 as ordered, making an excess only of three grains compared with seven found by the Committee's analyst. The Subcommittee thought it unnecessary for any further action to be taken by the Committee, but pointed out to the chemist that pharmacists should use the utmost care in endeavouring to secure accurate dispensing of prescriptions. In the case of a prescription for eight ounces of mist. quinin. (L.I.P.), the analyst's report showed that it was inaccurately dispensed. They did not think the chemist's explanation entirely satisfactory, and which they thought indicated a certain amount of carelessness on the part of his assistant. They recommended that the chemist be cautioned. In pursuance of the scheme for testing drugs, a prescription for eight ounces mist. quinin. (L.I.P.) was given to a certain chemist to be dispensed. The analyst's report showed that a fairly considerable excess of acid hydrobrom. dil. was contained in the mixture, and it appeared to them from the chemist's explanation that the assistant was guilty of carelessness in dispensing this ingredient. Again, with regard to the quinine, a solution of quinine sulph. was used containing acid sulph. dil. as a solvent instead of the quinine being weighed. This practice they deprecated. They found that the chemist committed a breach of the terms of service, and recommended that he be cautioned. The various reports were adopted.

Middlesex.—At a meeting of the Pharmaceutical Committee, held on May 26, Mr. C. W. Andrews in the chair, the report of the checking supervisor was received, which included the following particulars:

	January	February	March
Number of prescript.	161,758	158,461	172,067
Total value ..	£5,898 12s. 3d.	£5,743 2s. 4d.	£5,162 8s. 7d.
Average ingred. cost	4.3d.	4.2d.	4.1d.
Average dispens. fee	4.5d.	4.5d.	4.5d.

The official figures for 1925 are:—Number of prescriptions, 1,613,369; total value, £58,123 Cs. 5d.; average prescription cost, 8.6d. (drugs, 4.1d.; fee, 4.5d.); persons on panel list, 427,205; average cost per person, 32.7d.; frequency per insured person, 3.8. Serum and vaccine prescriptions for the first quarter of 1926 were:—158, for 124 patients, value £54 19s. 10d. Insulin prescriptions for the same period numbered 454, for 60 patients, value £133 17s. There were 15 hypodermic syringes ordered for 15 patients, value £2 9s., and 59 hypodermic needles were ordered in 40 prescriptions for 17 patients, value £1 3s. 10d. Disallowances numbered 93 articles, including 20 brushes, Benedict's solution, Valentine's meat juice, horse hair, drainage tubes, capsicum and thermogene wool, ear and urethral syringes, trusses and finger stalls.

Oldham.—At a meeting of the Pharmaceutical Service Subcommittee, held on May 25, Alderman Sam Frith, J.P., was appointed chairman. The clerk (Mr. Lloyd Price) said that he had taken twenty tests for the year

1925, and out of these there was one which was slightly wrong, and this one, perhaps, was not a fair sample for it was an insoluble substance. It was practically impossible to have the bottle divided accurately in two. He thought a result like that reflected great credit on the pharmaceutical service of the town.

Sheffield.—At a meeting of the Insurance Committee, held recently, it was reported that certain prescriptions given for Viroil and Glaxovo had been submitted to the Panel Committee. On their report it was decided to disallow them as not being a proper charge upon the Drug Fund. A special subcommittee considered seven reports of the analyst respecting medicines analysed, and also four samples of appliances. Four samples of medicines were considered as satisfactory. On the remaining three it was decided to send a copy of the analyst's report to the chemists concerned and their attention drawn to the discrepancies shown, but no further action appeared to be necessary. Three of the cases of appliances were considered satisfactory; in the fourth, the chemist's attention is to be drawn to the quality of gutta-percha tissue supplied. The chemists' accounts for April amounted to £2,422 2s. At a later meeting a report was presented by a special subcommittee, appointed to confer with the Pharmaceutical Committee, on the proposed amendment of the scheme for an adequate pharmaceutical service. The Pharmaceutical Committee had written stating that the Committee could not accept the suggestion that the Insurance Committee should take the place of the Minister of Health in deciding questions not mutually agreed upon. The subcommittee point out that the proposed scheme does not make any such suggestions. It was decided that the scheme be adopted and forwarded to the Minister of Health for approval. The resolution with regard to prescriptions for Viroil and Glaxovo, which had been referred back for further consideration, was reaffirmed, these products not being considered as a proper charge upon the Drug Fund.

Somerset.—At a meeting of the Insurance Committee on April 24 the Pharmaceutical Subcommittee reported that eight samples of medicine and three sample appliances had been taken during the present quarter for testing purposes, and were considered satisfactory. A request by Dr. C. H. F. Johnson, of Frome, to be allowed to discontinue dispensing medicines for insured persons at Frome was acceded to.

Staffordshire.—At a meeting of the Insurance Committee on May 1, it was reported that during the year ended December 31, there were 273,587 persons on the insured register. The amount distributed from the practitioners' fund was £115,194; some 35,000 persons in rural areas obtained necessary medicines and appliances from their doctors. There were 848,741 prescriptions dispensed by chemists during the year (against 760,279 in the previous year); and the county's drug bill amounted to £32,392, against £28,823. Under the scheme for the testing of drugs thirty-two samples were taken, and it was found necessary to refer the analysts' report on eight of these samples to the Pharmaceutical Service Subcommittee. From five of these chemists sums varying from £1 to £5 were withheld. At the end of last year there were 190 chemists on the panel, with 257 shops.

Warwickshire.—The Pharmaceutical Committee met at Leamington on April 22, Mr. Hutton presiding. The secretary was instructed again to draw the attention of the Insurance Committee to the failure of doctors to properly mark "urgent" prescriptions required after the usual hours. A number of proprietary articles having been ordered from time to time by panel doctors, an effort had been made to clear up the matter with the Insurance Committee, and the secretary reported that he had received instructions that except in the case of obviously unlawful substances all doctors' prescriptions should be supplied promptly, leaving the question of propriety of the prescribing to be settled between the doctor and the Insurance Committee until a list of prohibited articles had been circulated to each chemist. The Central Checking Bureau report showed that pricing

continued satisfactory. The Pharmaceutical Service Subcommittee had dealt with several cases of inaccurate dispensing; only two, however, were considered of a serious nature.

Worcester.—A meeting of the Insurance Committee was held on April 30, at which it was reported that insured persons numbered 20,797 members. Dr. Watson asked if the results of the analysis of the medicines were satisfactory. The clerk said that these were submitted to the Pharmaceutical Subcommittee, of which Mr. Fairbairn was a member, together with a member of the Pharmaceutical Society. There was a question whether one analysis was correct, and they were having the other half of the bottle analysed by Mr. Duncan. The subcommittee were satisfied with the others. When their report was complete it would be submitted to the committee. —At a meeting of the Worcestershire Insurance Committee, on May 29, complaint was made that the directions on a label on a bottle did not conform with those on a prescription. The chemist had explained that he had great difficulty in reading the prescription, which was written in pencil. It was explained that the mixture, which was a sleeping draught, was not taken wrongly by the patient.

Yorkshire, West Riding.—At a meeting of the Insurance Committee, held at Wakefield recently, the Pharmaceutical Service Subcommittee reported on the case of a chemist who had supplied medicine deficient to the extent of 51.1 per cent. It was decided to recommend the Minister of Health to withhold £2 from the moneys due to the committee in respect of medical benefit, this sum to be recovered from the chemist.

May Drug Tariff

The following are the chief alterations for May in the Insurance Drug Tariff for England and Wales:—

Lower.—Acid. carbolic, 1s. 4d. lb.; acid. carbolic liq., 1s. 2d. lb.; acid. salicyl., 2s. 4d. lb.; aqua menth. pip. conc., 16s. lb.; argent. nit. 3s. oz.; ext. casc. sagr. succ., 8s. 6d. oz.; ext. nuc. vom. succ., 1s. oz.; ferri et quin. cit., 11d. oz.; inf. cascarril. conc., 5s. 6d. lb.; inf. cascarril. ex. conc., 7d. lb.; lin. methyl. salicyl., 6s. 3d. lb.; lin. methyl. salicyl. co., 7s. 6d. lb.; menthol, 2s. 9d. oz.; methyl. salicylas, 2s. 10d. lb.; ol. abietis, 4d. oz.; ol. limonis, 15s. lb.; ol. menth. pip., 110s. lb.; ol. morrhuae, 9s. gal.; ol. olivæ, 14s. gal.; quin. hydrochl., 3s. 4d. oz.; quin. hydrochl. acid., 3s. 8d. oz.; quin. salicyl., 3s. 10d. oz.; quin. sulph., 2s. 3d. oz.; tr. asafetid., 6s. 6d. lb.; tr. hyoscyami, 5s. 9d. lb.; tr. quin. am., 4s. 3d. lb.; tr. valerian, 5s. 9d. lb.; tr. valerian. ammon., 5s. 9d. lb.; ung. resorcin, 3s. 6d. lb.; zinc. sulphocarb., 2s. 4d. lb.; zingiber. jam. pulv. 2s. 8d. lb.

Higher.—Hydrarg. perchlor. pulv., 5s. 9d. lb.; ol. amygdalæ, 6s. 6d. lb.

SCOTLAND

Dundee.—It was reported to the Medical Benefit Subcommittee that the amount credited to the Committee to meet the cost of drugs for the year 1925 was £5,404, and that the expenditure for the year amounted to £10,911 7s. 10d., showing a deficiency of £5,507 7s. 10d.

Edinburgh.—At a meeting of the Insurance Committee, held on April 22, it was reported that payments to chemists for the month ended April 8 amounted to £1,427.

Glasgow.—It was reported at a recent meeting of the Insurance Committee that 86,639 prescriptions were received during March. This is the largest number ever received for one month, the previous highest being 83,916 in January 1922. The number of patients who received insulin treatment during the three months ended December last was 70. Amounts credited to chemists and others for the same period totalled £12,141.

Perth.—At a meeting of the Burgh Insurance Committee, held on April 21, Mr. John Wood was elected a member of the Pharmaceutical Subcommittee in room of Miss Stewart Richardson. The Committee protested against the proposal of the Royal Commission on National Health Insurance to abolish Insurance Committees. Mr. Thomas Harley moved that they emphatically record their protest against such a recommendation. The motion was unanimously adopted.

Pharmaceutical Society of Great Britain Branch Meetings

Cheltenham.—The Cheltenham Branch met on April 30, the chairman (Mr. H. Miller) presiding. Prizes to local students (Messrs. L. F. Mayo, H. Hartland, and A. F. Hall) were presented for best results for local technical school examinations. Reports of treasurer and secretary showed a successful session. Elections for new executive resulted in the following:—*Chairman*, Mr. C. K. Gregory; *Vice-Chairmen*, Messrs. W. H. Hill, T. B. C. Wickham, B. Gregory, and P. James; *Treasurer*, Mr. O. A. Fortey; *Secretary*, Mr. Percy James; *Auditor*, Mr. Frank Palmer; *Committee*, Messrs. H. B. Clarke, C. H. James, J. Bissett, A. T. Willis, R. A. Cheshire, H. Miller, F. Stopforth, W. J. Thomson, H. B. Lloyd, H. Hands, C. Norman, L. A. Mills.

Dundee.—The Dundee and East and Central Scottish Branch of the Pharmaceutical Society held the annual meeting on May 28, Mr. James R. Milne presiding. Mr. J. Jack, Arbroath, and Mr. J. Rutherford Hill were among those present. Mr. John Anderson presented the annual report, which showed a membership of 146 and a balance of £16 5s. Office-bearers were elected as follow:—*Chairman*, Charles Stephen, Ph.C.; *Vice-Chairman*, Mr. Bennet, Arbroath; *Committee*, Mr. J. Jack, Arbroath; Mr. Thos. Harley, Perth; Mr. McFarlane, Forfar; Mr. Petrie, Blairgowrie; Mr. David McCall, Ph.C., Dundee; Mr. Geo. Smith, Dundee; Mr. J. W. Robertson, Dundee; Mr. J. M. Milne, Dundee; *Auditor*, Mr. L. P. Michie, Dundee; *Secretary and Treasurer*, Mr. John Anderson. The prize (a copy of the *Codex*), presented by the Committee for student-associates, was won by Mr. Jas. R. Smith for essay on "The Ideal Apprenticeship." Mr. Jack gave an interesting account of work on the Council, referring specially to the committees on Education, Finance, and the "Journal." He said it was unfortunate that so little information about their long sessions reached members, as they could form little idea of the amount of work done from the published reports. Mr. Hill spoke on a variety of subjects, including the important address by Sir William Willcox (*C. & D.*, May 22, p. 667). A discussion took place on *Methylated Liniments*, some members being of opinion that only those mentioned by name by the Board of Excise were allowed. It was pointed out that permission could be obtained for others. Mr. Hill reminded members that the certificate of qualification of the person in charge of every chemist's shop must be conspicuously shown.

Lancashire (N.E.).—The North-East Lancashire Branch met on April 28 to discuss a series of resolutions, Mr. W. H. Lightbown (Blackburn) presiding. It was pointed out that the suggested changes would involve an alteration in the Charter or in the Pharmacy Acts. The meeting supported the following: That a meeting of branch delegates be given powers at present possessed by the general meeting, though not necessarily to supersede the present annual general meeting; that the title of pharmaceutical chemist be given to chemists and druggists; that all registered pharmacists should pay an annual registration fee; and that the Council of the Society should have power to remove persons from the register in appropriate cases. The representatives gave these recommendations their support in broad principle, but it was emphasised that a draft scheme should come before the branches before final adoption by the Society. A number of speakers thought the rule giving power to the Council to remove persons from the register should be subjected to proper safeguards so far as the person was concerned. The alteration of title was thought desirable to differentiate between the pharmacist and the analytical chemist, though it was pointed out that the major chemist's interests ought not to be overlooked. In the annual elections of representatives to the Pharmaceutical Council, the meeting decided to support the candidature of Mr. E. H. Simmons, Salford. Mr. Arthur Dobson moved a resolution strongly advocating the necessity of a direct representative of the profession in Parliament as in former days, and urging the Council to take the matter into serious consideration.

Drug Trade Appeal Fund

THE biennial meeting of subscribers to the Drug Trade Appeal Fund was held on June 1 at St. Bride Institute, London, E.C. Mr. C. A. Hill (The British Drug Houses, Ltd.) occupied the chair, and there were present Messrs. W. F. Gulliver (South London School of Pharmacy); D. Lloyd Howard (Howards & Sons, Ltd.), L. O. Johnson (Fassett & Johnson), A. R. Melhuish (Burden & Co.), E. Pickering (Francis Newbery & Sons, Ltd.), W. P. Want ("British and Colonial Pharmacist"), and the secretary.

REPORT AND BALANCE SHEET

The report stated that no cases have arisen during the last two years which have called for legal action by the trustees, though they have one case under consideration. The accounts for the two years show respective balances in hand, in the income and expenditure account, of £19 10s. and £4 3s. 10d. The market value of the Fund's stock is in each case £666.

The chairman said the only unsatisfactory part of the financial statement was the large amount the Fund had to pay as income-tax. A letter from Mr. J. F. Harrington, expressing regret that, through illness, he was unable to be present, was read. A message of sympathy was sent from the meeting.

ELECTION OF TRUSTEES AND OFFICERS

The following were elected trustees for next two years: Messrs. W. F. Gulliver, J. F. Harrington, C. A. Hill, D. Lloyd Howard, L. O. Johnson, John Keall, and A. R. Melhuish. At a subsequent meeting of the trustees, Messrs. C. A. Hill, W. F. Gulliver, and W. Johnston were re-elected chairman, treasurer and secretary respectively.

Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1926, p. 309.

(From "The Trade-marks Journal," May 12, 1926.)

- "PHIL-SANA" on oblong label device; for straw hat dyes and varnish stains (1). By R. W. Phillips, Ltd., Craven House, Kingsway, London, W.C.2. 467,730. (Associated.)
- "LANCHEMIN"; for chemicals (1) and (2). By the Lancashire Chemical and Mineral Co., County Buildings, 4 Cannon Street, Manchester. 467,603/604. (Associated.)
- Device of scales and monogram "J S" on oval shape; for chemicals (1). By Johnson & Sons, Manufacturing Chemists, Ltd., 23 Cross Street, Finsbury, London, E.C.2. 468,314. (Associated.)
- "VISOL"; for poultry medicines (2). By A. H. Brain, 63 Old Meeting Street, West Bromwich. 460,867.
- "PINODORA"; for disinfectants (2). By Mawson & Proctor, Ltd., 20 Grainger Street, West, Newcastle-on-Tyne. B 465,059.
- "DIOPHTIN BRAND" and "TUBZIDIN BRAND"; for chemicals (2). By H. R. Napp, Ltd., 3 & 4 Clement's Inn, Kingsway, London, W.C.2. 468,495/499.
- Picture of knight in armour using sword marked "CONQUERS" to kill dragons, "NEURITIS," "RHEUMATISM" and "DYSPEPSIA"; for medicines (3) and for all goods (42). By the Matte-Tea Co., 6 Castle Street, Liverpool. 465,364/365. (Associated.)
- "BONASPRINA"; for medicinal chemicals (3). By Taylors Drug Co., Ltd., 347-359 Burley Hill, Leeds. 466,178.
- "NEMATIN BLOOD PILLS"; for blood pills (3). By J. A. Nesbitt, 32 Old Lodge Road, Belfast. 466,804. (Associated.)
- "SALIUM"; for a pharmaceutical preparation for internal use (3). By R. B. Murray, "Lavenham," London Road, Crawley, Sussex. 467,223.
- "CONVINCA"; for medicinal chemicals (3). By Lennon, Ltd., 93 Main Street, Port Elizabeth, South Africa. 467,725.
- "DOAN'S SPECIALITIES" with device of eye and wings surrounding man's portrait; for pills and ointments (3). By Foster-McClellan Co., 8 Wells Street, Oxford Street, London, W.1. 468,175. (Associated.)
- "BE-ZE-BE" (hyphens formed by bees); for honey, etc. (42). By the Be-Ze-Bé Honey Co., Ltd., Leadenhall Buildings, Leadenhall Street, London, E.C.3. 466,032.

Royal Institution of Great Britain

SIR ALMROTH WRIGHT, F.R.S., delivered a lecture on "Means and Methods of Therapeutic Research" before the Royal Institution of Great Britain, 21 Albemarle Street, London, W.1, on May 28, in which he reviewed, with the aid of numerous demonstrations, the methods of experiment in connection with investigations into the rôle played by the blood and its constituents in combating bacterial invasions. The methods used in laboratory work to separate the three elements of the blood—the red blood corpuscles, the white blood corpuscles (or leucocytes), and the blood fluid or serum—were first shown, the lecturer explaining that in bacterial infections the white corpuscles and the serum play a very important rôle. The serum has a definite bactericidal power for certain microbes; for instance, typhoid, which cannot grow in it, whereas staphylococci and streptococci are able to grow in blood fluids which they digest. The ratio of white corpuscles to red in human blood is normally 1 to 500. The white corpuscles are endowed with the property of emigrating from the blood, and Sir Almroth showed by means of a series of experiments how the leucocytes attach themselves to microbes. However, they acquire this property only as a result of alterations in the activity of the blood fluids, and if they are heated or dried they lose their property of killing microbes. The lecturer remarked that by washing the wound the white corpuscles, which constitute the active defensive agents of the body against bacterial invasions, are removed, and the microbes are left to display their virulence practically unchecked. Turning to a study of the blood as a whole, the hæmolytic action of streptococci was demonstrated by means of slides, as well as the growth of staphylococci in blood. Summarising the results achieved by these experiments, Sir Almroth insisted on the necessity of increasing the protective and destructive power of the blood as the sole effective means of prophylaxis against bacteria; it was no good introducing a drug which is excreted within a short period. Blood possesses an enormous bactericidal power; indeed, man has survived because of the bactericidal power of his blood. The rational treatment of wounds is based on getting the white corpuscles to act on the bacteria by drawing out the blood fluids, and this can be done by the application of a 5 per cent. solution of sodium chloride. By means of an experiment the lecturer demonstrated how a saline solution draws out serum. Sir Almroth then proceeded to discuss the effects of various antiseptics on staphylococci and other bacteria, comparing the results *in vitro* with those observed in actual practice. For instance, with increasing concentration of carbolic acid less microbes are killed, and with the destruction of the defensive forces of the blood their multiplication is intensified. Creosote kills bacteria in broth cultures, but not in serum. Optochin is an effective bactericidal agent, but injuriously affects the eyesight. Dealing with the results of inoculation against bacterial infections, Sir Almroth stated that whereas formerly it had generally been assumed that protection could only be conferred against one specific causal agent, it had now been found that inoculation by one vaccine against one microbe imparts protection against all microbes. In his concluding remarks the lecturer briefly referred to the effects of light treatment in lupus in increasing the number of leucocytes in the blood; the responses, he stated, were uncertain, some persons being susceptible, while in others this treatment fails to exert a stimulating influence on the leucocytes.

ARSENIC IN IMPORTED APPLES.—The report of the Kent public analyst for the quarter ended March 31 mentions four cases in which arsenic was present in "excessive quantities" in imported apples: in two cases Jonathans contained respectively $\frac{1}{10}$ gr. and $\frac{1}{50}$ gr. per lb., in the third case Newtowns yielded $\frac{3}{10}$ gr. per lb., and in the fourth case Winesaps gave $\frac{1}{25}$ gr. per lb. The vendors undertook to withdraw from sale the remainder of their stocks.

Personalities

MR. W. H. CHAMPNESS has been appointed Clerk of the Worshipful Company of Spectacle Makers.

MR. W. HOLLAND JONES, chemist and druggist, is now representing Wigglesworth, Ltd., Westhoughton, Lancs., upon their West Lancashire and North Wales ground.

MR. ISAIAH PARKINSON, chemist and druggist, senior partner of R. Parkinson & Sons, manufacturing chemists, Burnley, attained his eightieth birthday on May 27.

MISS WINIFRED R. FOSTER, daughter of Mr. F. Foster, chief pharmacist at the Bradford Royal Infirmary, has been awarded the diploma of Licentiate of the Royal Academy of Music.

MR. JOHN MURRAY, M.A., has been appointed principal of the University College of the South-West of England, in succession to Mr. W. H. Moberly, who has been appointed Vice-Chancellor of the University of Manchester.

MR. G. F. SLEGGS, M.Sc., has been appointed professor of biology at the Memorial College, St. John's, Newfoundland. Professor Sleggs is a native of Liverpool, and took his B.Sc. degree at Liverpool University with honours in zoology. He was wounded in action during the European war, and has done research work for the Ministry of Agriculture and Fisheries.

DR. WILLY MERCK, senior partner of the members of the family owning the chemical works of E. Merck, Darmstadt, celebrated on June 1 the fortieth anniversary of his entry into the management of the business. As head of the manufacturing and scientific departments he has taken a very active part in promoting the expansion of the firm, including the erection on a new site of the extensive works which were described in the *C. & D.*, 1908, II, p. 415.



POISON BOTTLE
(Home Office)
1930

It is also enacted that the pharmacist must always keep a special soluble key to the poison cupboard; and always be prepared to swallow the same if danger threatens. (Sect. 2, Sub-Sect. 5, Dang. Expect. Act, 1929), also (Sect. 17 Pharmacy (Prevention of) Act, 1927).

ZANZIBAR CHILLIES.—During 1925 the imports of chillies into the Protectorate amounted to 341 cwt. (Rs. 6,488), of which India sent 107 cwt. and Tanganyika Territory 230 cwt.; domestic exports were 187 cwt., of which 52 cwt. were shipped to the United Kingdom, 99 cwt. to Egypt, and 36 cwt. to France; the re-exports were 175 cwt., of which 159 cwt. were shipped to Australia.

Births

Notices for insertion in this column must be properly authenticated.

EVANS.—At North London Nursing Home, Highgate, on May 26, the wife of R. A. Evans, chemist and druggist, 110 Seven Sisters Road, Holloway, N.7, of a daughter.

HOLT.—On May 21, Constance M. Holt, M.P.S., wife of L. Clifford Holt, The Ashby Square Pharmacy, Loughborough, of a daughter.

Marriages

BARNETT-DAY.—At St. Mary's Church, Ashford, Kent, on June 2, Horace Barnett, M.P.S., son of Mr. H. Barnett, chemist and druggist, Hythe, to Cora E. Day, youngest daughter of Mr. A. J. Day, Ashford. Residence: Sidley, Bexhill-on-Sea.

NICHOLS-HARRIES.—At Bunbury Road Baptist Church, Northfield, Birmingham, recently, Arnold Nichols to Kathleen Jessie Harries, eldest daughter of Mr. A. H. Harries, chemist and druggist.

WHITFIELD-MELLIS.—At St. Martin's Church, Chapel-town, Leeds, on June 2, Victor Whitfield, M.P.S., Leeds, to Victoria R. Mellis, B.A.

Deaths

ANGEL.—At 235 Boundary Street, Kirkdale, Liverpool, on May 24, Mr. Lorenzo Valencia Angel, M.R.C.S., L.R.C.P., chemist and druggist, aged fifty-four. Dr. Angel, who was a brother of the late Mr. Andrea Angel, B.Sc., the hero of the Silvertown explosion (1917), carried on a pharmacy in Liverpool for a long period. He obtained his medical qualifications in 1924.

FANN.—At the Dene, Ropley, Winchester, on June 1, Jane, the beloved wife of Mr. J. W. Fann, chemist and druggist, aged eighty-six.

FRYER.—At 29 Caird Drive, Partick, Glasgow, on May 20, Mr. Charles Harry Fryer, Ph.C., manager for more than twenty years of the Glasgow branch of Houghton-Butcher, Ltd., 70-78 York Street. Mr. Fryer passed the Major examination in 1880. He was held in the highest respect by the directors and staff of the company, and also by the customers with whom he came into contact.

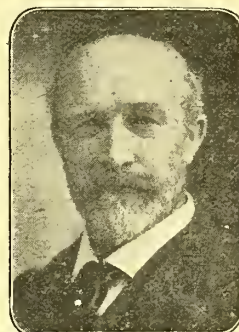
HARRISON.—At Sunderland, on May 28, Mr. Reginald Harrison, managing partner of W. B. Harrison, wholesale chemists, Bridge Street and Bedford Street, aged fifty-six. Mr. Harrison was a son of the late Lieutenant-Colonel J. G. Harrison. At an early age he entered his father's business, which was founded by the late Mr. W. B. Harrison, his uncle, and on Lieutenant-Colonel Harrison's death he took control. An inquest, held on May 29, resulted in a verdict to the effect that death was due to a bullet wound, self-inflicted. Mr. Harrison's position in Northern trade circles was evidenced by the presence of a large and representative gathering at the funeral, which took place at Bishopwearmouth Cemetery on May 31. He is survived by two sons and a daughter.

HOPKINSON.—At Edwinstowe, on May 23, Mr. Stephen Hopkinson, retired chemist and druggist, aged seventy-six. Mr. Hopkinson served his apprenticeship at Oldham, and subsequently commenced business for himself at Chesterfield, first at Gluman Gate and later in Soresby Street. He eventually established a pharmacy at Bolsover, where he traded until his retirement twenty-three years ago. Mr. Hopkinson leaves a widow, one son and two daughters.

HOBSON.—At Meltham, Huddersfield, on April 27, Mr. Thomas Coultas Hobson, chemist and druggist, aged sixty-eight.

LEISHMAN.—In the Queen Alexandra Military Hospital, London, S.W.1, on June 2, Lieutenant-General Sir William Boog Leishman, K.C.M.G., F.R.S., M.B., C.M., aged sixty. Sir William Leishman carried out researches, extending over many years, in tropical diseases. During the period between the South African war and the European war he devised, in conjunction with Sir Almoth Wright, a successful anti-typhoid vaccine, with incalculably beneficial results to the Army. Another distinguished contribution to medicine was his original work on the group of diseases now appropriately named Leishmaniasis. Sir William traced the parasitic origin of Indian Kala-azar and of the so-called "Baghdad boil," and these dreaded complaints are now treated with marked success by the intravenous injection of antimonial salts. In 1912 he was appointed an honorary physician to the King, and in the same year he was President of the Society of Tropical Medicine and Hygiene. Numerous military academic distinctions were accorded him in the course of his career. He was appointed Director-General of Army Medical Services in 1923, and last April was added to the *personnel* of the Medical Research Council. Sir William was present at the annual dinner of the Pharmaceutical Society of Great Britain in 1924.

CANTLIE.—In a London nursing home, on May 28, Sir James Cantlie, K.B.E., M.B., C.M., F.R.C.S., late of 37 Harley Street, W.1, aged seventy-five. After winning fame as a surgeon, Sir James Cantlie became an authority on the study of tropical medicine, founding the "Journal of Tropical Medicine" and spending several years abroad in studying various phases of the subject. Returning to this country, he took a keen interest in Red Cross work, and conducted classes at the College of Ambulance, where he estimated that 3,000 people attended daily in the early part of the European war. In 1896 Sir James figured in a sensational incident, culminating in the release of Sun Yat Sen, then a political refugee, from the Chinese Legation in London. From time to time he addressed such bodies as the Women Pharmacists' Association and the Chemists' Assistants' Association on medical topics; and his text-books, especially those on ambulance training, are widely used.



SIR JAMES CANTLIE, M.B.

McSWINEY.—At the Central Dispensary, Cork, on May 22, Mr. Edward Michael McSwiney, L.P.S.I. Mr. McSwiney passed the Licence examination in 1891.

REYNOLDS.—At Withington, Manchester, on May 22, Mr. Ernest Septimus Reynolds, D.L., M.D., B.Sc., aged sixty-five. Dr. Reynolds was well known in the North of England as a consultant. In 1900 he came into prominence by his discovery that the cause of an epidemic of poisoning then giving trouble was arsenic in beer. Mr. William Kirkby, M.Sc., Ph.C., took up the subject in its chemical aspect, and established the fact that the source of the arsenic was the crude sulphuric acid used in the manufacture of the brewers' saccharine and glucose (*C. & D.*, II, 1900, p. 888). Dr. Reynolds made many contributions to medical literature.

WALTON.—At his residence, Spring Bank, Palatine Road, Northenden, Cheshire, on May 23, suddenly, Mr. Henry Walton, chemist and druggist, aged seventy-nine. Mr. Walton went to Northenden forty-six years ago, and commenced business at the corner of Mill Lane and Palatine Road, retiring a few years since.

WELLS.—At Upton Avenue, St. Albans, on May 25, Mr. Albert Charles Wells, chemist and druggist, aged seventy. Mr. Wells was a native of Coventry, and served his apprenticeship at Leamington. After experience in a London business, he came to St. Albans in 1882 as manager of the pharmacy of Mr. Davenport, Holywell Hill, and later he went into business for himself at 12 High Street. For a period of nine years he also carried on a business at Hemel Hempstead.



THE CHEMIST AND DRUGGIST

RETAIL & DISPENSING

PRICE LIST

based on definite costing principles

ISSUED QUARTERLY FIFTH YEAR OF PUBLICATION

The drug index for May was 142.5, being a drop of 1.2. The surgical dressings index for the same period remained unchanged at 206.4. The following are the important changes in prices since those given in the *C. & D.*, May 1, p. 631, and enable chemists to revise the quarterly issue of the List up to June 1:—

Cest			Selling Price			
d.	per		6 oz. s. d.	4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
40	lb.	Cera carnauba ..	5 0	1 5	0 5	—
42	lb.	Insect powder (Dalm.)	5 3	1 7	0 6	—
28	lb.	Insect powder sec. ..	3 6	1 0	0 3	—
75	lb.	Lin. methyl salicyl. ..	—	2 10	0 9	0 2
90	lb.	Lin. methyl salicyl. co.	—	3 3	0 11	0 2
40	oz.	Lithii guaiacas. ..	—	—	5 10	0 10
84	lb.	Magnes. citras (ver.) ..	—	3 0	0 10	0 2
30	oz.	Menthol ..	—	—	4 5	0 8
40	oz.	Ol. limettæ dest. ..	—	—	5 10	0 10
54	oz.	Ol. limet. (hand-pressed)	—	—	7 11	1 2
192	lb.	Ol. limonis ..	—	6 10	1 10	0 4
180	lb.	Ol. limonis (Messina) ..	—	6 4	1 8	0 3
110	oz.	Ol. menthæ pip. redest.	—	—	16 0	2 4
108	gal.	Ol. morrhue (Nor.) ..	1 6	0 6	0 2	—
78	gal.	Ol. morrhue (vet.) ..	—	1 3	—	9 9
192	lb.	Ol. pulegii exot. ..	—	6 10	1 10	0 4
180	oz.	Ol. rosmarini Ang. ..	—	—	—	4 4
60	oz.	Quinina ..	per	gr. x.	0 4	1 6
69	oz.	Quin. acetat ..	per	gr. x.	0 4	1 8
62	oz.	Quin. benzoas ..	per	gr. x.	0 4	1 6
51	oz.	Quin. citras ..	per	gr. x.	0 3	1 3
72	oz.	Quin. formas ..	per	gr. x.	0 4	1 9
72	oz.	Quin. hydriod. ..	per	gr. x.	0 4	1 9
44	oz.	Quin. hydrobrom. ..	per	gr. x.	0 3	1 2
40	oz.	Quin. hydrochlorid. ..	per	gr. x.	0 3	1 0
44	oz.	Quin. hydrochlor. bi. ..	per	gr. x.	0 3	1 2
63	oz.	Quin. hypophos. ..	per	gr. x.	0 4	1 6
66	oz.	Quin. lactas ..	per	gr. x.	0 4	1 7
52	oz.	Quin. phosphas. ..	per	gr. x.	0 3	1 3
46	oz.	Quin. salicylas ..	per	gr. x.	0 3	1 3
27	oz.	Quin. sulphas ..	per	gr. x.	0 2	0 8
54	oz.	Quin. et ureæ hydrochl.	per	gr. x.	0 4	1 4
75	oz.	Quin. valerianas ..	per	gr. x.	0 5	1 10
48	lb.	Sodii benz. artif. ..	—	1 9	0 6	—
			(100)	(50)	(25)	—
63	1,000	Tab. hexaminæ ..	1 4	1 0	0 8	—
44	1,000	Tab. pot. chlor. et bor. et cocain. 250	1 2	0 11	0 7	—
63	1,000	Tab. quin. ammon. M 30	1 6	1 1	0 10	—
99	1,000	Tab. quin. ammon. 5j.	2 0	1 4	0 11	—
120	1,000	Tab. quin. ammon. et cinnam. 5j. ..	2 4	1 8	1 1	—
79	1,000	Tab. quin. bisul. gr. 1	1 9	1 2	0 9	—
153	1,000	Tab. quin. bisul. gr. 2	2 10	1 8	1 1	—
105	500	Tab. quin. bisul. gr. 3	3 8	2 0	1 2	—
168	500	Tab. quin. bisul. gr. 5	5 5	2 11	1 8	—
300	500	Tab. quin. eth. car. gr. 5	9 2	4 10	2 8	—
177	1,000	Tab. quin. hydroch. gr. 2	3 3	1 9	1 2	—
129	500	Tab. quin. hydroch. gr. 3	6 5	3 6	1 11	—
177	1,000	Tab. quin. salicyl. gr. 2	3 3	1 9	1 2	—
204	500	Tab. quin. salicyl. gr. 5	6 5	3 6	1 11	—

Trade Notes

SHEEP DIPS approved by the Ministry of Agriculture under the Sheep Dips (Regulation) Order, 1926, are advertised in this issue by Battle, Hayward & Bower, Victoria Chemical Works, Lincoln.

"TOP-NOT" SPECIALITIES.—The rights in these preparations have been purchased by A. S. Price & Co., Ltd., Blackheath, Birmingham. The company's announcement gives the trade terms for these articles.

ENSIGN FILMS.—Special window posters and showcards are available suitable for British Shopping Week displays and for the holiday season. Houghton-Butcher (Great Britain), Ltd., Ensign House, 88-89 High Holborn, London, W.C.1, supply these on application.

SANITAS BONUS OFFER.—The "Sanitas" Co., Ltd., Limehouse, London, E.14, have extended the closing date of the bonus offer on these preparations to June 19. The company's advertisement in this number gives full details. One of the objects of the offer is further to popularise the "Sanitas" toilet rolls.

WORMS IN DOGS.—The Eastern and Russian Trading Co., Ltd., 26 Finsbury Square, London, E.C.2, have issued a booklet dealing with the use of santonin in treating dogs for worms. The details are of great interest to chemists, who are asked to advise dog owners. There is a table of doses of santonin from which it is shown that the dose is from $\frac{1}{8}$ gr. (for small toy dogs) to 5 gr. for grown mastiffs. The need is emphasised of an aperient to follow the santonin.

NEW PRICE LIST.—May, Roberts & Co., Ltd., 7-13 Clerkenwell Road, London, E.C.1, have issued their new half-yearly price list, which is up to the high standard of its many predecessors. The sections are: (1) Sundries and glass, (2) proprietary medicines, (3) photographic goods, (4) stationery and tobacco, (5) drugs and counter specialities. There are hundreds of illustrations, and some of these are fine examples of colour printing. Chemists who have not received a copy of the list should write for one.

TURKISH FLOATING EXHIBITION.—The Turkish Ministry of Commerce, in collaboration with the Turkish Chamber of Commerce and Industry, has organised a floating exhibition of the products of Turkey on board the s.s. "Kara Deniz." This steamer will visit the port of London at the end of June, and the exhibition on board will be open to the public, entrance free, from June 28 to July 3. The place of berthing will be made known in due course. The exhibition includes a sale and a sample department. An orchestra, buffets, and a cinema showing views of the picturesque spots and historical monuments of Turkey are also provided on board.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

S/16. Celma puff box	B/275. Lees Ray Digestive tablets
M/155. Germanium di-oxide (for the treatment of anemia)	A/285. Mavis hot-water bottle
G/245. Glass bottles, marked R in a heart design	R/115. Silenette syringes
M/125. Hanging carbonyls for pharmacies	C/264. Sterisol
	H/265. "Sunflower" nursery pomade
	M/55. Wilderness face powder

INFORMATION SUPPLIED

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.4.

Caprokol. H/265	Pride of London foot paste. S/195
Collapsible tube-filling machines. A/256	Santoy perfume. B/195
Cyclohexanol. H/195	Sejourner's antidiabetic pills. S/256
Harrington's squares. H/16	Swansdown puffs. H/265
Kossolian blood salts. A/185	Tolysin. R/16
Narcisse Noir perfume. T/265	Transparent containers. A/255
Permutit water softener. S/315	

Observations and Reflections

By Xrayser III

Those Four Points

which were raised at the Glasgow Conference, and have since been made the subject of discussion according to plan, afford a very good illustration of the sort of thing that wastes people's time and keeps them, as it were, from treading on the grass. While so many of us are seriously troubled about the trend of modern legislation, and the general upset of our business arrangements by uncalled-for regulations, the Pharmaceutical Society's branches are kept busy discussing whether or not it is advisable to whittle away further the privileges of ordinary members of the Society, to allow chemists and druggists to style themselves pharmaceutical chemists without passing the appropriate examination, to levy annual tribute on all registered chemists, and to empower the Pharmaceutical Society's Council to remove persons from the Register. As it happens, nothing can be done in any of the directions indicated without the consent of Parliament, and I see but little prospect of progress being made with a new Pharmacy Bill at the present time.

Recent Strike Troubles

should make us reflect before taking steps to entrust any of our rights as individual members of the Society to delegates who would have to vote at general meetings as they were instructed, and not in accordance with their convictions after hearing all the arguments on both sides. For the moment we are told that the Society's annual general meeting would not be one of those which only delegates could attend, but the wiser plan, in my opinion, is not to encourage the insertion of the thin edge of the wedge. Have delegates' meetings by all means, but don't entrust such meetings with statutory powers. The views of one member living in a particular district may be of more consequence than those of all the other members of the local branch put together, and it might be disastrous to prevent that individual from expressing his views at a time when he could make his influence felt with advantage.

The Title "Ph.C."

may be granted to all chemists and druggists so far as I am concerned, but the problem of exemption will be found to block the way. It is inconceivable that general exemption from jury service will continue to be extended to all pharmaceutical chemists in actual practice as such after a wholesale addition to their numbers. Let those who doubt this read your report of the meeting held at Belfast to consider the position regarding jury service in Northern Ireland (*C. & D.*, May 29, p. 698). There the exemption is not to apply in future unless the pharmaceutical chemist has no qualified person to assist him; and it is just as well to remember that what is being done in Ulster to-day, in respect of matters pharmaceutical, is more likely than not to be copied in Great Britain.

Utopians

in our ranks enjoy nothing better than letting themselves go when the other two selected points come up for discussion. They would like the Pharmaceutical Society to have power to levy annual tribute on every chemist in business, whether he wishes to be connected with the Society or not. The only argument I know in favour of the annual licence is that it would facilitate keeping the Register accurate, but I question if registered chemists generally would appreciate all that the taking out and exhibition of annual licences might involve. As regards power to remove names from the Register, this is not likely to be granted to a body which is purely representative of business competitors of possible offenders. Remembering the recent outcry against the General Medical Council, and the demand for appointment of laymen as representatives of the public on that body, it seems improbable that our Council as at present constituted will ever be granted power to do what is practically equivalent to depriving a person of the means of livelihood.

The Search for a Remedy

for every ailment and trouble that afflicts the human race creates a supply of physicians more or less qualified to purvey the sought-for remedial agents. It is not remarkable, therefore, in the distress of sickness and anguish of mind that men and women listen to the blandishments of the quack, and it is not to be wondered at that there are as many as sixty varieties of this species in New York. I do not think it can be denied that quackery of all kinds is as widely practised to-day as at any period in the history of the race. But I do not wish to moralise; I only want to apply a suitable collyrium for the use of myself and perhaps some of your readers. The many kinds of quacks and the ingenuity of their address to their innocent victims have furnished many writers with topics for some of their most effective essays. Some of these authors are well known, but there are others whose names are less popular. John Corry is one of the latter. At the beginning of the last century he published two books which still may be read with interest; they were "A Satirical View of London" and "The Detector of Quackery." In the "Detector" he exposes the better-known medical quacks such as Brodum, Solomon and Perkins with his famous American Metallic Tractors (the Americans possessed a sufficient number of quacks at that time to export them). Perkins, whose father had discovered the Tractors, stated that he had "crossed the Atlantic and become a resident of London [which Dr. Johnson called "the needy villain's general home"] that he might devote his time and attention to the diffusion of this important discovery, and its application to the relief of the miseries of mankind." All this he accomplished, more or less successfully, at a cost to his patients of five guineas per pair of his patent Tractors.

A Hundred Years Prior

to John Corry's essay 'was written a much more famous one by a much more famous man. It is No. 240 of Richard Steele's "The Tatler." The writer declares himself a professor of physic to which he has joined the study of astrology, because every physician found it advantageous to "embellish his knowledge of medicine" by means of a sister art. From which it may be understood why Apollo was the god of Verse and of Physic. For, says he, "Poetry to Physic is indeed like the gilding to a pill; it makes the art shine, and covers the severity of the Doctor with the agreeableness of the companion." A compliment is paid to the apothecary which may, at this moment, find an echo in the minds of some who aspire to a seat at the council table. "Apothecaries endeavour," he writes, "to recommend themselves by oratory, and are therefore without controversy the most eloquent persons in the whole British nation." The satire of this, I suppose, lies in its being a *non sequitur*. As for the nostrums they recommend, he is content to adhere to his own recipe, "Take nothing." The appropriateness of his concluding paragraph at this juncture is so happy that I make no apology for quoting it *in extenso*: "Were the body politic to be physicked like particular persons, I should venture to prescribe to it after the same manner. I remember, when our whole island was shaken with an earthquake some years ago, there was an impudent Mountebank who sold pills, which, as he told the country people, were very good against an earthquake. It may perhaps be thought as absurd to prescribe a diet for the allaying popular commotions and national ferments. But I am verily persuaded that, if in such a case a whole people were to enter into a course of abstinence, and eat nothing but water-gruel for a fortnight, it would abate the rage and animosity of parties, and not a little contribute to the cure of a distracted nation. Such a fast would have a natural tendency to the procuring of those ends for which a fast is usually proclaimed. If any man has a mind to enter on such a voluntary abstinence, it might not be improper to give him the caution of Pythagoras in particular:—'*Abstine à Fabis*.' 'Abstain from Beans,' that is, say the interpreters, 'Meddle not with elections'; beans having been made use of by the voters among the Athenians in the choice of magistrates." Or, to put it in another way, avoid the nostrums of the political medicasters.

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Editorial Articles

Compiling a Pharmacopœia.—V

DETERIORATION of drugs, galenicals, and chemicals is a subject on which the authorities responsible for the pharmacopœias of different countries give little, if any, guidance. For example, the British Pharmacopœia states that phenol exposed to moist air "may acquire a pinkish tinge." It is not stated, however, whether it is permissible or not to use slightly discoloured phenol, unless the statement that acidum carbolicum liquefactum is "a liquid at first colourless, but usually acquiring a pinkish hue" is held to condone the use of a slightly oxidised product. Similarly chemists are informed that certain salts are deliquescent, that other chemicals are hygroscopic, or that some compounds are efflorescent. Occasionally the warning (as with acid chromic) may extend to preservation in well-stoppered bottles, but how many retailers have a suspicion of the avidity with which absolute alcohol, glycerin, ac. sulphuric, or

ac. lactic absorb atmospheric moisture and lose strength in consequence of careless storage. On the other hand, effervescent preparations are invariably carefully conserved, as they give non-sparkling or "flat" beverages if moisture gains access thereto. Fluctuations in temperature, and consequently in the humidity of the atmosphere, are diurnal as well as seasonal, and lead to surprising results at times as regards the keeping properties of half-filled bottles of galenicals. Concentrated infusions of calumba, gentian, and notably inf. rosæ acid, become "fusty" unless regularly turned over, owing to water precipitated during nocturnal cooling of the container leading to deposition of fluid above the level of the normal galenical of insufficient alcohol strength to prevent mould growth. Frequently such galenicals are returned to the maker because they have gone "wrong," whereas oversight or unduly prolonged storage under adverse conditions has spoiled a sound preparation. A spell of hot weather markedly affects galenicals containing volatile ingredients, the prime offender being spiritus æther nit., but sal volatile and other ammonia containing compounds are also noteworthy offenders. Likewise warm weather hastens oxidation in general which turns fixed oils rancid, and makes some volatile oils turbid. While oxidation of iron compounds usually advertises itself, this is not always obvious, with formaldehyde, sodium sulphite, or sulphurous acid, and such products are liable to be regarded as up to standard when they are distinctly deficient. The inattention of compilers of pharmacopœias to the deterioration of pharmacopœial preparations may be an expression of faith in the professional side of pharmacy, but is far more likely to be due to ignorance on the subject, as these are problems which arise in dispensing practice or in manufacturing pharmacy. A consequence of cessation of pharmaceutical aid in the compilation of the next British Pharmacopœia would be that this will still further fall behind by failing to apply new knowledge towards the production of official medicines free from troublesome defects as regards keeping qualities. The more enlightened endeavours to revise some formulas in the tenth revision of the United States Pharmacopœia have met with little success in this respect, owing to the belatedness or absence of experimental work on deterioration. Nevertheless there is distinct evidence therein that attention is being attracted towards preparations with better keeping properties. Thus 1 per cent. sodium citrate is added to three glycerites to delay discoloration; while the formula of belladonna ointment is modified on a basis of "pharmaceutical expediency to increase the keeping quality and to yield a smoother product." Digitalis (for tincture) and ergot (for fluid extract) are defatted with purified petroleum benzin, since this results in preparations less prone to deterioration. In general, however, the recommendations to prevent deterioration are the customary injunctions to keep in small, completely filled, well-stoppered containers in a cool, dark place. The more positive way of experimentation with a view to devising formulas began in the United States at too late a date to affect the present U.S.P., but it is now in active progress. In this country such research in the public interest has been automatically stifled by the attitude of the General Medical Council towards pharmacy and its inability to appreciate the fact that the practical side of pharmacopœia compilation is inherently pharmaceutical. It is pitiable that stagnation has supervened in official pharmaceutical medicine at a period when biological chemistry is guiding medicine towards more scientific method and reasoning in the treatment and diagnosis of disease. The intensive work on

vitamins, hormones and other biological principles, or the keen research on chemo-therapeutic substances, finds little or no reflection in pharmacy, which has to be content with leaving the Pharmacopœia Committee to its own resources. Hence such mundane projects as Easton's syrup or syrup ferri iodid. that will keep, a magna magnesia that is therapeutically and pharmaceutically presentable, or the preparation of a chlorinated antiseptic solution with real pretensions to stability have to be left until such time as our pharmacopœial pundits deem them worthy of attention. These are examples of improved preparations that may readily be realisable by a modicum of applied pharmaceutical research. For example, Mr. R. L. Taylor has shown that distillation of a mixture of chlorinated lime (10 parts), boric acid (15 to 20 parts), and water (300 parts) gives about 100 parts of a distillate containing hypochlorous acid (HOCl) of 0.4 to 0.5 per cent. strength, which is free from catalytic metals and keeps well in diffused light for six months. The question of whether such a solution is suitable for use in place of Eusol or Dakin's solution is well worthy of investigation, both clinically and chemically. If alkali is necessary in this surgical antiseptic it could be added quantitatively in a pure condition. It is well known that both concentration and temperature of reacting solutions influence the bulk of precipitated chemicals. This can be applied in making suspensions of magnesium hydroxide which when formed by gradual mixing of solutions kept below 15° C. produces a gelatinous precipitate which settles slowly and shakes up easily. Magnesia cream is an antacid of great value which would be more widely used if a satisfactory preparation were available as the result of a little research. Adding magnes. calc. or magnes. carb. to washed magnesium hydroxide suspended in water in order to give a white product is evading and not solving the real problem. The attitude of pharmacopœia builders is at times bewildering, and one would expect that anything admitted to a pharmacopœia would be suitably tested. In this connection it is significant that 5 per cent. of glacial acetic acid is included in the U.S.P. formula for tinct. canthar., in "the hope of more thoroughly extracting the cantharidin than is possible by the use of alcohol alone," which by comparison reconciles us to the much-debated tinct. cantharidini B.P. 1914, which at any rate possesses the advantage of a definite cantharidin content. The necessity for extended pharmaceutical research is obvious, even in the very simplest of pharmacopœial preparations, as regards keeping properties. Thus mucilago acaciæ sours, and some preservative such as chloroform or benzoic acid might be advantageous. Syrupus simplex is another preparation with the disadvantage of fermenting in summer or crystallising in winter unless its content of sugar and water are suitably modified to accord with seasonal variation. Another source of trouble is gradual crystallisation of some acid syrups following inversion of sucrose and consequent increase in amount of crystallisable sugar. Considering that pure invert sugar syrups are available commercially, it is surprising that these have not been tried to obviate some of the difficulties arising out of the use of simple syrup. Invert or sugar honey syrups are pleasing in appearance and taste. Again, the question of adding glycerin to pharmaceutical syrups is worthy of investigation, as this confers greater fluidity, diminishes cloying sweetness, and tendency to fermentation or crystallisation, and would appear to prevent oxidation of iron compounds. It is evident that more remains to be done in fields of pharmaceutical endeavour than the compilers of pharmacopœias are aware of.

The Outlook for Arsenic

As mentioned in our Trade Report recently, somewhat better advices came to hand from the United States in regard to the progress of the outlet for arsenic and insecticides, but up to the present there is no decided tendency which would warrant one taking a more rosy view of the improvement in general demand. A certain amount of information has, however, been disclosed by the officials of the American Department of Agriculture, according to which the boll weevil has developed on a much more serious scale in the cotton belt this season, while the view has recently been expressed that the cotton growers were adopting a freer use of calcium arsenate. How far this may result in an expansion of the outlet for arsenic remains to be seen, although there is little doubt that the use would be in a degree encouraged by the present low cost, compared with the inflated price current until about this period two years ago. The current cost of either white arsenic or calcium arsenate has for a month or two past been at the lowest point seen for over a decade, and is on the whole considered to stand almost below actual production cost. White Cornish arsenic sold lately down to as low as £13 5s. per ton free on rail at mines, while in the American trade sales were reported down to 3 cents per lb., although more recent cable advices stated that 3½ cents was about the current quotation, on the basis of which a more consistent demand has been coming forward from makers of calcium arsenate. The selling price of the latter has been around 5 cents per lb., compared with from about 7 cents down to 5½ cents in the early months of this year. In 1918, when its use was actually adopted in order to fight the pest, only a few hundred tons were used in the South. The experiment proved so successful that within the five or six years the outlet doubled itself from year to year. In 1923 the needs for the cotton crop were particularly heavy, having reached 32,000 short tons. In 1924 and 1925, although requirements were less than in 1923, they were estimated to be equal and even in excess of those for the previous year. It was stated authoritatively that about 85 per cent. of the cotton belt is usually infested with the weevil, but it is generally believed that only about 5 per cent. of the total area under cultivation has been treated with calcium arsenate. This, therefore, gives some idea of the possibilities that would accrue as to the application of the insecticide in the event of a very serious attack of the weevil. Contrary to the more general expectation, only small quantities were used, both in 1924 and 1925, so that stocks tended to accumulate over that period, having been estimated early this year at between about 20,000 and 30,000 short tons. Therefore these reserve stocks, which are now being gradually absorbed, will have first to be disposed of, ere makers can see their way to develop operations on any enlarged scale in order to complete this season's requirements. In 1923, which was the period in which the heaviest calls were made on the industry, reserve stocks in makers' hands became virtually exhausted, and the price of calcium arsenate was forced up to the exceptionally high figure of 40 cents per lb. This obviously was regarded as an inducement for making extensive preparations for the ensuing year, in anticipation of a continued big outlet. This, however, failed to materialise in view of the fact that the damage caused by the boll weevil proved to be only slight, in consequence of the prevalence of hot, dry weather. The cotton season thus closed in 1924 with the accumulation of an enormous

surplus of calcium arsenate; and as but little provision was therefore made at the opening of last year for future requirements, the demand for arsenic became immediately affected, with the result that an inevitable slump ensued over the spring. Notwithstanding the unpromising outlook, makers maintained their operations on a certain small scale. The marked and lengthy depression has been in the main the outcome of weather conditions in the cotton belt, a cold winter being followed by drought for the most part of the summer, which thus prevented an invasion of the pest and ruled out the necessity for taking protective measures. Makers had thus but few opportunities in the past cotton season of working off their large surplus stocks, which kept prices down at an unprofitable level. Weather conditions so far this year have been rather different, and the aspect of the market for the insecticide has to that extent improved, but the fact remains that the current year was again entered upon with considerable old accumulations; and although there has been some recovery in the outlet for calcium arsenate, there appears to be still plenty of stock of arsenic held by producers and importers in America apart from accumulations held in Europe and also in Japan, which must be to some extent cleared ere the market stands a chance of materially recovering. Importations by America continue to be made on a judicious scale, and there seems to be very keen competition in the home market to pick up orders coming forward for white Cornish arsenic on the basis of about £13 10s. to £14 per ton delivered free on rail. In certain parts of the world operations by producers have been checked by the low price, but this does not appear to have exerted any influence whatever on the aspect of the market for the Cornish product, although the fact deserves notice that American arsenic is no longer offering on this side so cheaply as some time ago, being now quoted at £16 10s. per ton c.i.f. home ports, which is above the equivalent of the terms of the Cornish mines. The price during 1924 fell from £69 to £34, and there has been since a further continuous fall down to £15 10s. for Cornish, these figures relating to delivery London railway stations. The continued depression within the last eight months has been in line with the views expressed in our issue of October 10 last.

The Personal Equation

An interesting note on errors of judgment in chemical analysis was given at a meeting of the Society of Public Analysts, recently, by Dr. J. F. Tocher, D.Sc., F.I.C., who is also a well-known pharmacist. He points out that recent work of Professor K. Pearson and Mr. E. S. Pearson has shown that the mean values of personal judgment in physical experiments are of an irregular periodic character with respect to time. In his own experiments on the titration of sodium hydroxide solution with *N*-sulphuric acid, Dr. Tocher found that the mean results of successive determinations during a forenoon were also of a periodic character. On an average the first two determinations were less reliable than the others. The means of succeeding pairs of duplicate determinations also varied in an irregular and periodic manner round the general mean. The variations in the personal equations of observers were independent of the apparatus and the material. If so simple a titration as that selected by Dr. Tocher gives varied results, the analyst's report on any "test" prescription, however carefully compounded, may well give a chemist something to ponder over. Unfortunately for the dispenser, however, the analyst, in the eyes of the authorities, is always above suspicion.

A Tour in India

By John D. Marshall

ALTHOUGH it was the middle of December, Victoria Station was a blaze of sunshine when my wife and I started our winter trip, she to Menton, and I to India to revisit scenes I knew well in the early 'eighties. Train on time at Dover, and crossing like a mill pond; seats reserved at Calais, and so to Paris. Travelling thence to the South, however, the compartment was full, and the heating apparatus, which ran across the floor under one's feet, was at first comfortable, but after some hours became a torment. Reaching Menton, we drove to the Hotel des Anglais, and found a charming room with running water and bath reserved. This hotel is well decorated and well managed. On December 14 I drove my wife to Ventimiglia, and went on to Genoa, where I inquired about the Maritima Italiana, a shipping line allied to the Lloyd Trestino, and giving a fortnightly service to Bombay in fifteen days.

Our ship, the "Aquileia," was an Austrian boat of nearly 11,000 tons, and well equipped. The rooms are large and very clean, the food excellent and of great variety; and most of the officers speak English or French. We had a wireless service getting London, Paris, Madrid, and, of course, Rome. In the smoke room delicious coffee is made for each person by an electric machine (turned out by Applicazioni Pratiche Riscaldamento, Milan), which superheats water, and forces it through fresh roasted coffee, making a cupful for 1½d. The return fare from Genoa to Bombay is only £111 for first class on upper deck, and the vessel is very pleasant to sail in, most of the passengers being English, with a sprinkling of Indians of good caste.

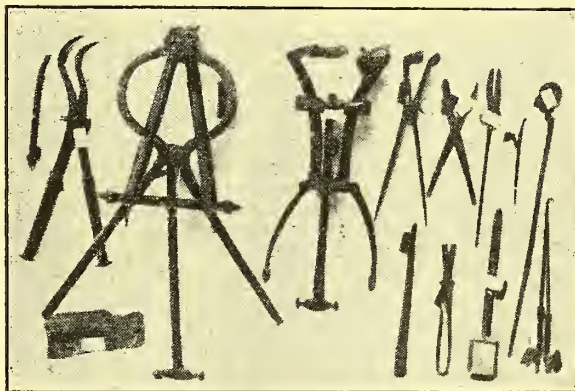
IN THE MEDITERRANEAN

Naples was under a cloud, the sun being obscured until about two miles away, when Old Sol appeared, the change being delightful. Vesuvius, over the way, was asleep, but looked much like Arthur's Seat, Edinburgh. The city is very old, but they are building very fine houses, flats and shops rapidly. The roads are wicked for horses and carriages, great holes showing everywhere. At the museum there is one room full of articles of pharmaceutical and medical interest; it is wonderful to see compact medicine chests of bronze, various apparatus, and most wonderful of all, the surgical instruments, really quite up to the moment in many cases, all of which have been unearthed at Pompeii. Sicily was under a cloud, except Messina, which was a blaze of sunshine, the more noticeable because of the surrounding gloom. Port Said was reached about 2 p.m. on a Sunday, when the populace appeared to be sleeping. Football and tennis were, however, being energetically played by English people, and about 6 o'clock the cafés sprang to life. I noticed two good pharmacies, run by Greeks; they stock all the important proprietaries. At Simon Artz store I spoke to the manager of the drug department; he was quite keen to know of new things, and said his firm study the *C. & D.*, and compare the advertisements with the lay Press to see what is being energetically pushed. As soon as two or three inquiries are received, they at once obtain a supply of any likely article. The department was well stocked and kept in good order.

Before a week at sea, one gets to know most of the passengers, and becomes somewhat intimate with them. We had on board a representative going to India and the Far East in his firm's interest; another man was travelling all over the world visiting agents and customers, not to get orders, but to help the men on the spot, and customers who for some reason had not been buying so well as usual, and to find out the trouble. I remember Mr. Saunders (Ayrtoun, Saunders & Co., Ltd.) did such a trip round the world, and so have others; and I am convinced it would pay any firm who have, or desire to have, export work, to send one of their principals to get to know customers at first hand, and to do this fairly often. Other passengers, one finds, have friends or rela-

tives connected with medicine and pharmacy, and are only too pleased to give one introductions and advice, often of great value. India is waking up, and natives of all races are keen to see goods manufactured as far as possible in India, and if not manufactured, to have firms with a branch house employing some native people established in India.

We arrived in Bombay early on December 31, passing Elephanta, and seeing in the distance the great land reclamation that is being made in what was known as "Back Bay"; a huge wall has been built, the centre being unfinished as yet, to allow water to escape as the inner part is filled up. This is done by means of a large flexible pipe, which is floated into Bombay Harbour, it being very shallow in parts. Enormous dredgers pump sand from the bay; this runs through the pipe, and gradually the new land is formed at the same time as the harbour is deepened. After a brief Customs examination, one passes to the open, finding the "East" in full evidence, both as regards sights and smells, one's luggage crowded on an old gharry, and taken to the "Majestic." Being New Year's Eve, Bombay was *en fête*, and I think nearly all Scotland was at the Taj Mahal. After over forty years my memory of Bombay was rudely shaken; beautiful buildings in Hornby Road and Churchgate Street have risen, and equal those of any English city; still, there are lots of old-time streets and bazaars, where one can almost swear the same people



ANCIENT SURGICAL INSTRUMENTS FOUND AT POMPEII

are chaffering. All the same, under the surface, great changes are toward; education is slowly, very slowly, making its way, and evidences of thought and culture are shown. The educated native is bent on advancing, and agriculture, though still carried on as 1,000 years ago, is beginning to get interested in fertilisers and new implements. Capital and organisation will in a few years tell a great tale. My old firm of D. S. Kemp & Co. have gone from Elphinstone Circle, and the handsome pharmacy that was fitted in teak is no longer there; they have several branches, but have gone in for general business. In my time it was pharmacy of very high class; certainly we kept some other things, such as glass eyes. I remember one of my first days very well. A fine upstanding native asked for a glass eye. "Certainly," said I, "which would you like?" thinking he wanted it for an idol or something. He said, "Match mine." Then I noticed he had an artificial eye. I fixed the right shade, and then had the request, "Please put it in." This was a poser; I had never seen the trick done. However, I got out of it by saying he had better do it himself, as my hands were not in a fit condition of cleanliness, and might infect him. This pleased him, and the deal was concluded; needless to say, I soon learnt how it should be done.

At home one cannot realise the great distances between cities and large towns; Bombay to Calcutta takes almost forty-eight hours, without change or any long stop en route. Fortunately the carriages are very comfortable; designed for four people only, the seats are about seven feet long, and quite wide, forming a perfect bed. Attached to the roof are two other seats the same size,

so that all four can sleep comfortably. Each compartment is about 9 ft. by 8 ft. by 6 ft., there being plenty of room for luggage. For meals, there is a restaurant car at the end of the train; one joins at some station, has a well-cooked meal, and returns about an hour later when stopping at another station. The scenery is very varied, and in places delightful; the pinkish buff hills, burnt grass plains with greenish thorny scrub, tumbledown villages, herds of cattle or goats, and wide (almost dry) rivers make ever-changing pictures. Bird life—e.g., the kingfisher and the stork, flying off as the train passes—exists in abundance; and at frequent intervals the train passes through little up-country stations (one appropriately named "Drug") with red gravelled platforms, and huge earthenware pots three high, each one dripping into the lower, containing water, and labelled "For Hindus," "For Mahomedans." Gawky children and old men, carrying on their heads trays of sweetmeats, fruit or nuts, and when making a sale, placing them on an hour-glass-shaped wicker stand, gesticulating in active discussion, make the time pass pleasantly, and at last the "Howrah" station of Calcutta is reached.

POINTS ABOUT CALCUTTA

My boy, or bearer, who was found by Thomas Cook for me, proved invaluable in ordering the seething mass of porters, picking one here and there, to conduct my luggage to the Great Eastern Hotel, a fine example of Indian hotels, with wide corridors of marble, lifts, and so forth. The scene crossing the Hugli Bridge was wonderful, crowds going in either direction, all in a hurry; droves of bullock carts immensely long, and piled high; rickshaws, gharries and open taxis, all struggling to get on. One cart contained a crate with at least 100 monkeys, looking the picture of misery and curiosity mixed. Long strings of pilgrims from the far North, slowly making their way to Mecca; the stream of strange life is very fascinating. There are many fine buildings in Calcutta, but building does not appear to be so energetic as in Bombay. One very high building had the scaffolding standing, made of thin bamboo poles lashed together; it looked so flimsy that one wondered how big steel girders could be got up, but I saw one, about twenty feet long, being slowly hoisted. This building adjoins the fine new premises of Smith, Stanistreet & Co., who appeared to have just moved in. They have a magnificent factory in the suburbs, the works manager of which is Mr. W. Cooper; there they manufacture strychnine, caffeine, galenicals, and many other products in large quantities in bond, and pay duty as goods are drawn. Bathgate & Co. have a fine old-fashioned business; the proprietors, Messrs. Traile & White, were most courteous in showing me round, and giving up a lot of their time explaining things and conditions. The dispensing department is very well arranged, a large number of prescriptions being dispensed daily; they, as well as others, find a very large percentage of scripts contain proprietary medicines—in fact, India must be a paradise for patent-medicine advertisers; the papers are full of advertisements; and wandering through the bazaars one finds many old preparations still on sale which, I fancy, are almost extinct at home. The number of native drug shops is legion, many fitted quite decently, and the bulk showing crude native drugs, nearly all of which were strange to me. Squatting on the street side, one still sees the merchant who carries on his practice of shaving, hair cutting, cleaning out ears, etc., and very busy he appears to be. The amount of betel, etc., prepared for chewing that is exhibited in tiny little shops, and at street corners, is only equalled by the number of purchasers. The business of B. K. Paul & Co., founded in a humble way by the father of the present proprietors, now employs over 1,500 persons. The size of the place, the variety and quantity of the stock, is bewildering; the whole is conducted by Mr. Hari Paul in an office consisting of a marble table, and surrounded by such a din that one wonders at first how he can concentrate; but a few minutes' study of Mr. Paul shows that outside noises are lost on him. Mr. Nag, the general manager, who ably assists, conducted me round, showing the various departments (dispensing, optical, orthopaedic, surgical, and so forth), all parts being a busy hive.

SECUNDERABAD AND HYDERABAD

From Calcutta to Secunderabad and Hyderabad is a long two days' and nights' journey. On reaching Secunderabad one's impression of the country of the Deccan being well cultivated and generally prosperous is confirmed. The country is under the rule of H.E.H. the Nizam, who lives at Hyderabad. No European lives inside the city, so Secunderabad, in addition to being a very large military station, has become the home of Britishers, and very charming it is. The roads are excellent and very wide; beautiful trees throw their shade, and the commercial houses are bungalows with long gardens, mostly well kept; even the native bazaar is clean and wholesome, a great contrast to many other places. A large force of troops is billeted in magnificent barracks, a considerable space between each. To reach Hyderabad one goes by car, about four miles on one of the finest roads I have ever seen, really an embankment to restrain a lake. Entering Hyderabad, one is again struck with the order and cleanliness (although I am told there is a certain amount of plague). The Victoria Memorial Hospital is one of the outstanding objects; it is a magnificent building beautifully situated, and when in working



Photo]

MR. JOHN D. MARSHALL

[Elliott & Fry

order will be the last word in equipment and efficiency. Curiously, neither Secunderabad nor Hyderabad supports an English pharmacy; there are, of course, many drug shops. The railway employees are attended at their hospital, conducted by an English doctor. A curious sight is the enormous blocks of granite in quaint shapes that appear all over the landscape. I am informed these blocks are formed by the earth and softer material always sinking, and so causing a constant, though slow, change in the appearance of the countryside. The enormous amount of granite will probably account for the wonderful preservation of the old Golconda Fort; the outer walls cover over seven miles; then comes the inner citadel, and lastly the Fort, all being built on a steep hill rising many hundred feet. It was built 1,800 years ago, and images of gods and frescoes still appear, and are quite sharp in outline. One would think the place impregnable. Turbans are quite in the minority, the fez being almost universal; my boy, who comes from these parts, tells me that much perturbation has been caused to his countrymen by the new Turkish law abolishing the fez. Mosquitoes are numerous and vicious. Cigarette smoking is becoming very prevalent among natives, and all the well-known brands are on sale. One concern spends a fortune on

advertising, and has a wonderful organisation of about fifty young men, many from the 'varsities, who travel into the smallest places, seeing agents and promoting sales by local schemes, such as having a garlanded elephant proceed through the streets, and a distribution of cigarettes to all and sundry. The native cigarette is made of a dust tobacco and leaves; the big combine is turning out one at 1s. 6d. per 1,000 to compete. Advertising generally is very great, motor companies taking the greater space. I met a man who is a motor dealer; he travels by road practically all over India, about 40,000 miles, in a year.

CONTRASTS IN CLIMATE

From Hyderabad to Bangalore one travels through rich agricultural land, well cultivated, much rice, wheat and other crops being seen. At Bangalore one feels that the best part of India is reached, being 3,000 feet up; the temperature is pleasant, and at night a thick blanket is comfortable. The Victoria Hospital is a handsome building, and its theatre equipment the very latest. The gardens are very beautiful, and I gathered a lot of information; the curator, a most courteous gentleman, was trained at Kew. There is one English pharmacy here, very prettily situated, owned by Mr. Shearer, who reported trade as quite good with the planters and others. If Bangalore is charming, Mysore, the ruler's city, is more so. The Rajah is very up to date, and spends vast sums improving the state. I am told that Ootacamund is the most charming station, but unfortunately time did not permit my seeing much of it, so I made my way to Madras City. As we descended, every 500 feet seemed to make a difference in the temperature, and by the time Madras was reached I was glad to get to the Connemara Hotel, have a hot tub, and put on the thinnest things I had. The late afternoon reading was 84° F.; and although at Bangalore the people were complaining of having no monsoon for two seasons, here we were having constant storms of rain, which makes the air so humid that everything is sticky, and one's cheroots as though they had been watered, and needing special storage to keep them in good condition. I had hoped to inspect the premises of Smith & Co., but found they have been absorbed by Spencer & Co., who, in fact, seem to own most of Madras City—two hotels, a vast store, excellently arranged; indeed, almost everything. The Connemara Hotel is quite up-to-date as regards having a box for servants' tips; certainly it is an improvement on the older method, for tipping is a regular nuisance. Except in Bombay and Calcutta, such things as running water are unknown; that does not mean there is anything unpleasant, but one's bath is a large zinc tub filled with water, brought by a Hamnal in two kerosene tins slung on yokes. Food all over the country, so far as I know it, is good, and fairly cooked, varying, of course, whether one is in a city or a native town. It is wise, however, to be careful of salads, and the water one drinks should always be boiled. Little things like these and a dose of quinine every few days keep one very fit.

TO CALCUTTA BY SEA

Having more or less lived in trains for many days, I decided to return to Calcutta by B.I. steamer; it takes about the same time and is cheaper, and one gets away from the only unpleasant thing in India, "dust." (In the trains one becomes case-hardened, and takes no notice of half an inch or so on the seats and floor.) The voyage from Madras to Calcutta is well worth the little extra time it takes; most passengers go ashore at Colombo, leaving plenty of room. The mouths of the Ganges and the Hugli are so difficult to navigate that the pilot takes charge quite 100 miles from Calcutta. The water is brown with the millions of tons of soil carried down. The land is quite flat and fen-like, both in appearance and richness—due, no doubt, to being submerged at various times. As one nears Calcutta from about Dum Dum, the jute mills come into sight, for the most part huge, up-to-date factories, employing large numbers of workpeople who are lodged in barracks, which look like large dog kennels, but are infinitely better than the mud huts one sees when passing through the country villages. Many people here will not drink ordinary water, but consume aerated waters in large quantity. I am afraid that much of this aerated water is manufactured under anything but hygienic conditions. As we got nearer to

the pool, large numbers of craft were seen plying native junks with huge sail, and several rowers with long sweeps, who walk up and down a platform, making one think of the slave galleys of old Morocco. They carry goods from up country, and are curious in shape, the prow being narrow and depressed, the boat gradually widening to the stern, from which a huge oar with an arm at right angles acts as rudder. Smart launches come alongside, with Customs and other officials and the inevitable money changer. In all the native bazaars and small towns, the money changer occupies the cleanest and best house, the front room being railed off, and behind, on cushions, with huge iron-bound boxes beside him, reclines the changer, who is broker and money lender as well. The principal business part of Calcutta is only a few minutes from the river, the residential part being some distance away.

BENARES AND LUCKNOW

Taking the train after a short stay, I arrived at holy Benares, which is reached in a day and a half. It is well known that this city is the place where Hindus come to worship; the town is crowded with temples, some of extraordinary beauty, in most cases completely hidden by narrow tortuous alleys of approach, all in a condition of filth hard to believe. The Golden Temple has the dome and parts of the roof covered completely in pure gold, the doors of copper and bronze beautifully made. Large numbers of worshippers come all day offering gifts, and then passing to the Ganges for ceremonial ablutions. As the train crosses the river by a high bridge, Benares comes into view, the long terraces of bathing and burning ghats, and huge houses of rajahs and others, making a charming view. In the far distance the tall chimneys of big cotton mills make one realise that modern inventions are gradually competing, and ousting the methods centuries old. At the Monkey Temple it was curious to watch the monkeys purloining gifts of the faithful, and being driven away by a priest with a long stick. As the people leave the presence, they strike a large bell, some hard, and some a little, as though afraid. Lucknow, my next point, is a charming station, with well-kept roads and good hotels. The Residency, the scene of the stand during the Mutiny, is, of course, the great point every Englishman wants to see. The place has been left as it was, and is gradually decaying; but one can imagine the dreadful ninety days the women and children spent, mostly in cellars under the house. There are many factories in the district; the pharmacies are well built, and appear to do good business. Cawnpore I did not care for, but it has a large metal trade. The principal bazaar is very wide, and except for the carriage road, the place was covered with iron of all sorts and sizes—wheels, axles, angle iron, etc.—and at the entrance of other houses dyeing of saris was taking place, making the street very gay. I noticed that most of the dyes were artificial instead of the vegetable forms formerly used; the colours to my eye were garish and brilliant, unlike the lovely soft tints one sees in old specimens.

DELHI

Thence to Delhi, the seat of Government, a charming place. The new Delhi is about five miles out, built on land reclaimed from jungle. Fine wide roads, well metalled and excellently lighted with arc lamps, lead to a central space where the vast Parliament House is nearing completion; excellently arranged and spacious offices are staffed by officials of all descriptions. The Burra sahibs live in white bungalows, with well-kept gardens; at present their offices are in old Delhi, at the Secretariat. Maiden's Hotel is a most comfortable place, the dining and drawing rooms being each about 200 feet long, and very lofty; it was full of "brass hats" when I was there, it being the week of meeting between the four commands of India. Plomer's Pharmacy is very well appointed and well stocked; and one had a home-like feeling hearing a lady ask for a well-known brand of teats, adding a complaint of the usual type. Other pharmacies, such as that of Neal & Co., and many native places are well stocked. Near the noted Chadney Chook Bazaar, the largest mosque in India is situated; from the minarets a wonderful view of the country is seen. Opposite, at the street corner, stands the Ivory Palace, where one sees workmen carving wondrous beautiful trifles and larger

pieces—but oh! the price! Agra was, in many ways, the most interesting place of my tour. The fort is wonderful, the huge walls and majestic gateways, all of dark red sandstone, are in perfect preservation; but the greatest and most perfect sight is the renowned Taj Mahal. I have seen many grander and more massive buildings, but for sheer beauty of design and completeness of detail, with the most charming and appropriate setting, there is nothing I have seen to compare with it. To see it is worth the visit to India. At Bayana I had to wait an hour for the train to Bombay. To pass the time a native vendor of cakes, etc., made me a breakfast consisting of tea and an omelette. Now I really do consider myself a judge of that dish; nowhere in my rambles have I ever had one so delicious and well-cooked, the apparatus being a charcoal fire and a tin held by a pair of pincers; on second thoughts, I wonder if the delicious taste was caused by the cook using his fingers to scrape in the butter—anyway, it was excellent. Arrival at Bombay, and joining the "Genova," ended my tour of parts of India.

After such a long absence—forty-three years—I feel tempted to add a few words. The enormous population is still mostly uneducated; but in the cities one finds English almost universally spoken by all but the coolie class. Evidence of increasing comfort and sanitation is seen on all sides, but in country districts there is little change; even there, the great irrigation plans, factories, motors, and so forth, are slowly making improvements. Education is becoming universal. I cannot fully recommend brother-pharmacists to take the trip unless they are prepared to give four months to it. Actual rail fares are cheap, but distances so great that it costs a good deal. Hotels, as a rule, are good, and not very expensive, but the horde who expect baksheesh is awful. The rupee approximates to 6d. at home. The ships are well found, and food is excellent; and, given the time, no one will regret a tour in India.

Association Affairs

Ealing.—The annual meeting of the Ealing Pharmacists' Association was held on May 18, the President (Mr. R. F. Edkins) in the chair. The President read an apology from Mr. H. Skinner, who was unable to attend the annual meeting for the first time since the inception of the Association. The Treasurer (Mr. J. E. Alcock) then read his report. It was on the whole a very successful session, with the exception of the January meeting, which was badly supported. Officers and members were then elected as follow:—*President*, Mr. F. A. Lawman; *Vice-President*, Mr. R. J. Morton Sennitt; *Secretary*, Mr. S. R. Hughes; *Treasurer*, Mr. J. E. Alcock; *Social Secretary*, Mr. Arnold Roberts; *Auditor*, Mr. H. Skinner; *Sports Secretary*, Mr. F. R. Bateson. *Committee*: Ealing, Messrs. H. A. Irwin, T. Marns, and W. T. Robinson; Chiswick, Messrs. H. L. Ironmonger and W. T. Stoyke; Acton, Messrs. R. F. Edkins and H. C. Roskrow; Hanwell, Mr. H. R. Storm; Southall, Mr. G. Edward; Brentford, Messrs. W. H. Argles and W. J. Blair.

Birkenhead.—The Birkenhead and Wirral Pharmacists' Association and Branch of the Pharmaceutical Society held the annual meeting on May 26, the President (Mr. W. G. Snow) in the chair. After the annual reports had been adopted, the election of officers took place as follows:—*President*, Mr. W. G. Snow; *Secretary*, Mr. A. Elder; *Treasurer*, Mr. Frank Snow; *Assistant-Secretary*, Mr. G. L. Hale; *Vice-Presidents*, Mr. B. J. Cooper and Mr. G. F. Lunt; *Auditors*, Mr. H. Stockdale and Mr. P. Grant; *Committee*, Messrs. Wynne, Edwards, Cooling, Greenwood, Williamson, Quaile, and T. Stephen-Jones. It was also decided to agree to the suggestion of the local grocers' association, that the half-holiday closing be changed from Thursday to Wednesday.

Edinburgh.—The Edinburgh Chemists', Assistants' and Apprentices' Association, whose first two botanical excursions were cancelled owing to the general strike, held an excursion on May 21 to Blackford Hill. About forty members, under the leadership of Mr. J. J. Aitken, assembled at Nether Liberton at 7.30 p.m., and active field work was engaged in along the track of the Braid

Burn. The interesting ecological-plant associations of the district were explained by Mr. Aitken, who also answered many questions. The hawthorn blossom was just at its best, indicating the lateness of the season. Among plants collected were:—*Stellaria graminea*, *S. media*, *Acer Pseudo-Platanus*, *Lotus corniculatus*, *Prunus spinosa*, *Crataegus Oxyantha*, *Chrysosplenium oppositifolium*, *Epilobium hirsutum*, *Heacleum Sphondylium*, *Conium maculatum*, *Galium Aparine*, *G. Cruciatum*, *Valerianella olitoria*, *Bellis perennis*, *Scenecio vulgaris*, *Carduus crispus*, *Petasites vulgaris*, *Symphylum officinale*, *Digitalis purpurea*, *Veronica Chamaedrys*, *Mentha aquatica*, *Nepeta hederacea*, *Plantago lanceolata*. The Edinburgh Chemists', Assistants and Apprentices' Association held the second botanical excursion of the summer session on May 26, when about thirty members met at Craiglockhart pond entrance, and under the leadership of Mr. George Hedderwick, M.P.S., proceeded by the Water of Leith and Colinton Dell to Colinton. On arrival at the Dell Mr. Hedderwick pointed out and explained the varied ecological features and the characteristic flora. Among plants not collected in the previous excursion were: *Ranunculus repens*, *Cardamine hirsuta*, *Geranium Robertianum*, *Esculus hippocastanea*, *Hex aquifolium*, *Vicia sepium*, *Cytisus Laburnum*, *Geum urbanum*, *G. rivale*, *Fragaria vesca*, *Achillea vulgaris*, *Chærophyllum temulum*, *Anthriscus sylvestris*, *Symphoricarpos racemosus*, *Hedera Helix*, *Vinca minor*, *Symphylum tuberosum*, *Stachys sylvatica*, *Mercurialis perennis*, *Urtica dioica*, *Scilla nonscripta*, *Allium ursinum*, *Larix europæa*, *Taxus baccata*, and *Funaria hygrometrica*.

London (E.).—The first evening meeting of the East London Pharmacists' Association was held at Limehouse on April 22, Mr. A. R. Keith (President) in the chair. There was an improved attendance. Mr. H. N. Linstead (assistant secretary of the Pharmaceutical Society) addressed the meeting on *Current Pharmaceutical Events*, and referred especially to the Pharmaceutical Society's new Pharmacological Laboratories, the pending new British Pharmacopœia, and the proposed additions to the drugs scheduled under the Dangerous Drugs Act. Mr. G. A. Tocher (secretary, London Pharmaceutical Committee) dealt with the official scheme for testing the quality of medicaments.

Manchester.—At a council meeting of the Manchester Pharmaceutical Association, held on May 4, the following officers were elected for the year 1926-27:—Mr. J. H. Franklin, *President*; Mr. F. W. Bates, J.P., and Mr. J. A. Collins, *Vice-Presidents*; Mr. A. J. Pidd, *Treasurer*; Mr. T. Miller, *Secretary*.

Public Pharmacists.—The Guild of Public Pharmacists held the adjourned annual meeting on May 26. The Vice-President (Mr. F. E. Bullen), in taking the chair, made sympathetic reference to the absence of the President (Mr. F. A. Hocking), who has recently undergone a serious operation. The various annual reports were received and adopted. Following the recent election, the Council now consists of Misses Gilliat and Sproule, Messrs. E. A. Andrews, F. E. Bullen, J. Cairns, G. R. Evans, G. W. Gibson, F. A. Hocking, J. Langford Moore, R. Lindsey, J. Wycliffe Peck, E. Williamson, the registrar, J. B. Elgar, and the secretary, A. H. Jenkin.

Business Changes

E. T. TOWLE & CO., LTD., proprietors of Towle's penny-royal and steel pills, have removed to 3 Toll Street, Nottingham.

DENNISON & DEAN, chemists, Newcastle-on-Tyne, have changed their trading style to Dennison & Graham, and have closed the branch in Shields-Road.

THE telephone number of the Silverdale Manufacturing Co., 110 Cheapside, London, E.C.2, has been changed from that given in the Buyers' Guide of the *C. & D. Diary*, 1926, to Central 1755.

MR. ARTHUR LANDER, Ph.C., 17 High Street, Canterbury, is retiring from business, and the stock and fixtures are to be sold by auction on June 23. Mr. Lander will continue his photographic business at 16 High Street.

General Medical Council

THE one hundred and twenty-third session of the General Medical Council opened at 44 Hallam Street, London, W.1, on June 1, Sir Donald McAlister, Bt. (President), in the chair. The principal business of the day's proceedings was

The President's Address

Difficulties of travel, post and printing formed the subject-matter of the President's first paragraph, after which Sir Donald referred in sympathetic terms to the Council's loss by death of Dr. Richard Caton, and to the retirement of Sir Francis Champneys and Sir Gilbert Barling. Mr. William Thelwall Thomas, F.R.C.S., was announced as the successor of Dr. Caton in the representation of Liverpool University, and the Rt. Hon. Edward Hilton Young, D.S.O., as the new member in the place of Sir Francis Champneys. From these personal matters the President passed to some general remarks on the balance of membership of the Council:—

Our statutory constitution provides more fully than many are aware for this wholesome variety of composition. From the beginning nine members only must be registered practitioners, and now only fifteen out of thirty-eight need possess a medical qualification. The bodies charged with the discipline of other professions, such as the law, have not yet been entrusted with "this freedom" to receive non-professional members, at the discretion of the appointing authorities.

The relations of Southern Ireland to the Council are to remain unchanged, the President explained, "until August 21 at least, and medical registration will proceed as hitherto." No further official information was as yet forthcoming. Reciprocity with Saskatchewan has been abrogated, with the consequence that the provincial qualification is no longer registrable in this country; and New Brunswick "has now finally adopted a position similar to that of Saskatchewan." The following comment was made on this situation:—

Correspondence with other Provinces, and with the Medical Council of Canada, suggests that, until inter-provincial differences of standard and policy have been overcome, and an effective basis for Dominion licensing as distinguished from Dominion examination has been found, no completely satisfactory arrangement for establishing reciprocal relations between this country and Canada as a Dominion will be practicable.

Indian questions occupied a lengthy passage in Sir Donald's address: he announced that the M.B. diploma of Calcutta University does not yet fulfil the requisite conditions for recognition by the Council, and that the continued recognition of other Indian degrees will be the subject of an inquiry by Sir Norman Walker and Colonel Needham, who will again visit India for that purpose.

BRITISH PHARMACOPOEIA REVISION

After a brief account of the conference held, on February 23, with representatives of other bodies on the proposed revision of the British Pharmacopoeia (*C. & D.*, March 6, p. 329), the President added:—

A number of important suggestions and criticisms were offered by the delegates, bearing chiefly on the scope and method of the proposed revision, on the organisation and powers of expert committees, and on the adaptation of the Pharmacopoeia to Indian and Dominion requirements. The Committee, at a subsequent meeting, considered these suggestions and criticisms, together with certain larger questions of pharmacopoeial policy, national and imperial, arising out of recent legislation and recent international agreements, including those concerning therapeutic substances, potent remedies, and dangerous drugs. The Committee came to the conclusion that, before making a definite reply on the particular points brought before it at the conference, the general interest required that an authoritative inquiry should be held by a suitable committee, officially empowered to call for information and to examine witnesses on the whole subject of pharmacopoeial revision in this country and overseas. The recommendations of such a committee, founded on a comprehensive survey of the ascertained facts, would be of great value from the public, the professional, and the scientific point of view; and would indicate what changes (if any) in the general organisation and method of revision are desirable.

The remainder of the address, with the exception of the last two sentences, was occupied with a detailed

account of the procedure arising out of the application of the late Mr. Frederick William Axham for the restoration of his name to the Medical Register. The following passage is of general interest: "The attempt to influence the Council's judgment by threatenings against its constitution, if it did not yield to interested or ignorant demands, anticipated by a month or two the lawless attempt on a larger scale against the national constitution itself. The Council anticipated the firm response of the Government to the much graver attack on law and order. From no single member of the Council did I receive a hint that it should do other than bear the attack with equanimity, and maintain meanwhile the impartiality of its position as a judicial body. No requisition for the summoning of a special meeting of the Council reached me. . . Two different views were tenable on the merits of Mr. Axham's case, and were in fact held by important professional bodies. To suggest the preliminary suspension of the standing orders, at the instance of interested parties favouring one view, would have been a departure from impartiality on the part of your President. That departure could only prejudice the good name of the Council itself, and so advance the designs of those who sought for reasons of their own to discredit it." The President was thanked for his address.

New Books

Anselmino, O.—*Das Opiumgesetz und seine Ausführungsbestimmungen*. 8½ by 5½ in. Pp. 58. Marks 2.40. Verlag von Julius Springer, Berlin. [A commentary on the Hague Opium Convention, together with the text of that agreement, and of the German laws and regulations dealing with "dangerous drugs." A special chapter is devoted to the formalities attending the importation and exportation of these narcotics, in which the authorities of foreign countries competent to issue import licences are given, together with full particulars regarding the consignment of "dangerous drugs" in post parcels to countries outside Germany.]

Handovsky, H.—*Elemente der Arzneiwirkungen*. 8 in. by 5 in. Pp. 71. Marks 1.80. Verlag von Georg Thieme, Leipzig. [A reprint of an address read at the meeting of the German Pharmacological Society in 1925, reviewing the interrelationship between the specific actions of medicaments and the living tissues, as influenced by their biological, chemical and physical properties, and the resultant cellular changes. Reference is made to the author's unpublished investigations on the mechanism of the astringent action of tannin, which is based on the coagulation of hydrophilic colloids, preceded by a stage of gelatination, an action also displayed by the salts of heavy metals.]

Dr. Marcario Blas y Manada.—*Legislacion de Farmacia vigente en España*. 8 in. by 5½ in. 12 pesetas. Pp. 614. El Monitor de la Farmacia y de la Terapeutica, 6 Farmacia, Madrid. [This work is a complete compendium of all the laws and regulations affecting the practice of pharmacy still in force in Spain. It is divided into two parts; in the first part the various laws and regulations are given in chronological order, either *in extenso* or only those articles relating to pharmacy, beginning with a decree issued in 1813 proclaiming freedom of trade by the individual citizen, and closing with a Royal Order of 1925 dealing with the establishment of manufacturing laboratories attached to pharmacies. In the second part these laws and regulations, or their relevant provisions, are arranged systematically in chapters, each dealing with some branch of the pharmacist's activities—e.g., opening new pharmacies; prescription work; sale of medicaments in pharmacies, and by druggists; responsibilities of pharmacists; pharmacopoeia; delivery of poisons, narcotics, etc.; manufacture, sale and importation of pharmaceutical specialities, etc. It is interesting to note that the legislative output affecting pharmacy during the past decade practically equals that recorded for the whole of the preceding century, an observation which doubtless would hold good in regard to other countries besides Spain.]

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbiling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, June 3.

THE continuance of the coal crisis has a depressing influence on trading all round, and unusually quiet and uninteresting conditions have prevailed, with a general disinclination to do business until the outlook is clearer. Interest in crude drugs has centred in the auction this week and privately, price changes are unimportant. Balsam Canada is firmer and English mustard seed is scarce and dearer. Glycerin is another £5 higher. Mercury is firmer and a little more active. Antimony has further declined. There is only a moderate demand for essential oils and price changes favour buyers. Sicilian oils (lemon, bergamot and orange) have declined during the week, although lemon at the close has improved slightly. American peppermint is quiet and unchanged. Holders of star anise are inclined to advance the price, but demand is slow. Among pharmaceutical chemicals a limited business has been done at keen prices. Sodium salicylate powder and salicylic acid are easier in dealers' hands. Business in industrial chemicals has been very poor and price changes are of a minor character, most items being steady. Toluol is easier among the coal-tar products. Among the fixed oils, business has been more active after several weeks of depression, and a number of items are firmer. This applies to coconut, cotton, groundnut and soya oils. Acid oils and rape oil are cheaper, while turpentine is irregular but easier on balance.

Higher	Firmer	Easier	Lower
Cocoa butter (Amst. auction)	Balsam Canada	Bergamot oil	Acid oils
Cotton oil	Coconut oil	Buchu	Antimony
Glycerin	Ground nut oil	Gamboge	Honey
Mustard seed (Eng.)	Mercury	Lanolin	Mandarin oil
Neroli oil	Soya oil	Lemon oil	Menthol
Pepper		Pennyroyal oil	Orange oil
		Pimento	Paraffin scale
		Rape oil	Rubber
		Rosewood oil	
		Salicylic acid	
		Sarsaparilla (Grey Jam.)	
		Sodium salicylate	
		Toluol	
		Turpentine	
		Wood oil	

Cablegrams

NEW YORK, June 3.—Business is quiet. Cartagena ipecacuanha has advanced to \$3.35 per lb., and belladonna root to 17½ c. per lb. Menthol is 10 c. per lb. lower at \$4.75. Gentian is cheaper at 6½ c. per lb., and euonymus (wahoo) bark has been reduced to 65 c. per lb.

BERGEN, June 3.—The catch of cod since the opening of the season amounts to 81,800,000, against 55,100,000 at the same date of last year, and the yield of steam-refined medicinal oil 111,859 hectolitres, against 85,936 hectolitres at the corresponding date of last year. The quotation for finest non-freezing Lofoten oil of the new crop is easier at about 105s. per barrel, c.i.f. London.

Crude Drugs, etc.

ANTIMONY.—The tendency has been weaker again on a poor demand and increasing offers of Chinese regulus. The current value for spot parcels is about £62 10s. to £63, while forward sellers have been reported down to about £44 c.i.f. English refined has been reduced by about £5 per ton, now ranging from £84 10s. to £85. Of crude it is rather difficult to get any reliable quotation, spot lots being nominally at £40 to £41, while terms for shipment are given at around £30 c.i.f.

BALSAM, CANADA.—Business for shipment has been done at 4s. 6d. per lb. c.i.f., with 5s. asked. Spot is firm at from 5s. to 5s. 3d. per lb. as to quantity.

BISMUTH.—The demand is not very active, but the price of the Association is retained at 10s. per lb. for metal, and current supplies appear to be liberal, a fair parcel having been received lately from Spain.

CAMPOR (REFINED).—Japanese slabs are steady at 3s. 4d. per lb. on the spot, and for May-June shipment 2s. 11d. c.i.f. is quoted. Flowers are steady at 3s. 6d. per lb.

CLOVES.—Zanzibar are quiet, with spot offering at 9½d. to 10d. per lb.; March-May shipment is nominal, 9¾d. per lb. c.i.f. The landings in London during the week ended May 29 were 356 and the deliveries 594, leaving a stock of 17,624 bales against 13,117 bales in 1925 and 36,930 bales in 1924. Up to May 29 the landings of Zanzibar in London have been 9,396, against 6,677 in 1925, while the deliveries amount to 5,972, against 8,664 last year.

COCOA BUTTER.—Prime English C.F.R. is 1s. 3½d. per lb., and other makes 1s. 3¼d., in not less than one-ton lots. At auction on Tuesday 84 cases Brazilian offered and sold at 1s. 1½d. to 1s. 1¾d. per lb. in bond. At the Amsterdam auction Van Houten's "A" quality (previously "B") sold at 68.49c. per half-kilo, against 67.01 last month; Blooker's sold at 69.59c., against 67.07c. in April.

COD-LIVER OIL.—Our Bergen correspondent writes on May 31 that the catch was very rich at Finnmarken last week, richer than in any week this year, and, as far as can be seen, larger than in any single week in the previous ten years. The catch is still going on favourably. The total output of all the Norwegian cod fisheries, compared with that of the previous years, is as follows:—

	To	Catch of cod	Yield of steam-refined cod-liver oil	Livers for crude oils
May	22, 1926	78,900,000	107,997 hectol.	13,192 hectol.
"	23, 1925	51,100,000	82,479 "	9,361 "
"	24, 1924	58,230,000	99,474 "	15,689 "
"	19, 1923	43,545,000	75,980 "	16,366 "
"	20, 1922	43,079,000	72,470 "	13,744 "

The market is quiet and the price has slightly declined. The official quotation for non-freezing steam-refined quality is about 105s. per barrel c.i.f. London.

CORN PRODUCTS, ETC.—Guaranteed water-white glucose (corn syrup) is 20s. 9d. per cwt. for May-August delivery, ex store, London. Dutch maize starch powder (cornflour) is 13s. 9d. per cwt. on the spot. American, for May-August delivery, 13s. 6d. per cwt. Pearl starch for May-August delivery is 13s., ex store, London. Dutch farina is 14s. 6d. per cwt. on the spot, and 13s. 10½d. f.o.b. for shipment. Dutch maize starch crystals is 20s. 6d. on the spot, and American for May-August delivery is 20s. 3d. per cwt. ex store London. Dutch dextrin is 24s. 6d. for superior, and 19s. 6d. for maize.

GALLS.—Chinese are firm, plum-shaped offering at 56s. per cwt. c.i.f., and ordinary shape at 55s. c.i.f.

GLYCERIN.—The British refiners on Wednesday announced another advance of £5 per ton in the price of chemically pure double-distilled s.g. 1.260 quality, which now makes the quotation £105 per ton, naked, in drums, on five-ton contracts. This advance is equivalent to ½d. per lb. in Winchester. The following table shows the revised prices in bulk:—

	Under 1 cwt.	One cwt. and under 2½ cwt.	2½ cwt. and under 5 cwt.	5 cwt. and under 10 cwt.	10 cwt. and under 20 cwt.	1 ton and under 5 tons	5 tons and up- wards
Contracts in Minimum Deliveries of	—	1 cwt.	1 cwt.	1 cwt.	2 cwt.	5 cwt.	10 cwt.
Tins, 14 lb. each (per cwt.)	125/6	123/6	122/6	121/6	120/6	119/-	117/6
Tins, 28 lb. (per cwt.)	123/-	121/-	120/-	119/-	118/-	116/6	115/-
Tins, 56 lb. (per cwt.)	120/6	118/6	117/6	116/6	115/6	114/-	112/6
Drums, 1 cwt. (per cwt.)	—	114/-	113/-	112/-	111/-	109/6	108/-
Drums, 2½ cwt. (per cwt.)	—	—	111/-	110/-	109/-	107/6	106/-
Drums, 5 cwt. (per cwt.)	—	—	—	109/6	108/6	107/-	105/6
Drums, 10 cwt. (per cwt.)	—	—	—	—	108/-	106/6	105/-

LEMON JUICE.—English squeezed is quoted at from 3s. 9d. to 4s. per gallon.

MENTHOL.—Interest has centred in the without-reserve goods offered in auction this week, and in the interval the private market has been nominal.

MERCURY.—The home demand is perhaps a little more active. Those users who have been running their operations on small stocks for some time past having become somewhat apprehensive as to the possibility of a further advancing market, are inquiring for small quantities, but the amount of business done lately was restricted. The tone all the same is very firm, with but little metal to be found at anything under £15 10s. per bottle, which seems to be the nearest quotation less 3 per cent. discount for spot lots. C.i.f. or f.o.b. offers from Italy are reported occasionally, but the quantities mentioned are limited. Spain does not seem to be offering at present, and Italy is said to have nothing available earlier than July shipment.

OPIMUM.—The following report has been received from Turkey:—

CONSTANTINOPLE, May 15.—“During the period April 23 to date arrivals were as follows:—Druggists', 2,199; 'softs', 329; and Malatia, 299 cases. Stocks amounted to:—Druggists', 126; 'softs', 23; and Malatia, 77 cases. During the past fortnight sales included: 15 cases druggists' at £123½-29½; two cases 'softs' at £135½; and 8 cases Malatia at £126-27½. The duty of 2½ per cent. levied on all purchases, with an additional 2½ per cent. on exports, has completely paralysed all transactions on this and also on the Smyrna market. Without these two taxes the market would be firm on account of the recent drought. However, we are of opinion that the pessimistic reports are not entirely justified, and we are not unduly alarmed by this fact. At the prices actually quoted there are many sellers but very few buyers.”

PEPPER has fluctuated, but is rather easier on balance and closes dull; fair black Singapore has been sold at 11½d. to 11d. spot. To arrive, sales include May-July shipment at 10¾d. c.i.f. Lampong is 11½d. spot; May-July has been sold at 9¾d. to 9¼d. to 9¾d., and August-October at 8¾d. to 8¼d. to 8¾d. c.i.f. Tellicherry for May-July is 11s. c.i.f., and Alleppy 112s. 6d. c.i.f. White Muntok has moved between 1s. 4½d. and 1s. 5d. spot; sales to arrive include April-June at 1s. 4d. to 1s. 4½d. to 1s. 3¾d.; May-July at 1s. 4½d. to 1s. 3¾d. to 1s. 4d.; August-October at 1s. 3¾d. to 1s. 2¾d. c.i.f. Singapore f.a.q. is 1s. 5d. on spot, and May-July shipment is 1s. 3¾d. c.i.f.

PIMENTO is slightly easier, spot offering at 5¾d. per lb., and May-July shipment at 45s. per cwt. c.i.f.

RUBBER is again weaker, and has declined fully 1½d. per lb. on the week. There has been a general absence of buying, and the heaviness of recent importations is more than the market can absorb. The shipments from the East are now on the 100 per cent. basis, and although stocks last week were increased by 1,154 tons, there were lying in the river at the end of last week over 3,500 still to be landed, and the bulk of this will be included in next week's stock figures. The information to hand from New York is far from reassuring, and factories in America seem to be fairly well supplied, both with crude rubber as well as the manufactured commodity. We fail to see how prices can advance yet awhile, but there is certain to be a sharp advance later in the year. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot and June 1s. 7¾d.; July-August 1s. 7½d., October-December 1s. 7½d. per lb.

SEEDS.—The position of the seed market is unchanged and remains dull with prices as follows: **CANARY SEED.**—Mazagan is still scarce on the spot, and a little business has been done at 25s. 6d., Larache is quoted at 22s. 6d., and good bold Spanish 35s. **CUMIN SEED.**—Maltese is 32s. 6d., and Morocco 27s. 6d. to 30s.; new crop Maltese is offered at 33s. per cwt., c.i.f. **ANISE.**—Spanish is 50s., and Levant 41s. **CORIANDER SEED.**—Morocco, 15s. 6d. for sound. **DILL SEED.** 20s. per cwt. **FENUGREEK SEED.**—Morocco is 13s. 6d. **HEMPSEED.**—Manchurian is 13s. 6d. per cwt. **LINSEED.**—Mazagan is quoted at 21s., c.i.f. **MUSTARD SEED.**—English is scarce at 55s. to 57s. per cwt., f.o.b. London.

SHELLAC has been steady but quiet, with usual standard TN orange quality offering at from 115s. to 120s. per

cwt. on the spot; fine orange is 130s. to 160s., and AC cakey 125s. To arrive, TN for June-July shipment is 107s. 6d. c.i.f. Sales for delivery include August at 111s., October 115s., and December at 114s. Calcutta is steadier at rs. 47 spot.

TONKA BEANS.—Privately Angosturas are quoted at 5s. 6d. per lb. on the spot, and for Para from 2s. 4d. to 2s. 6d.

TRAGACANTH.—White ribbon is held for £32 per cwt., while of medium grades fair supplies are on offer at from £18 to £25; lower qualities are in demand and small supply at from £5 per cwt. upwards.

VANILLA.—With reference to last week's paragraph (*C. & D.*, May 29, p. 729) a London importer informs us that the bulk of the crop is shipped to Europe by French liners whose home port is Marseilles, consequently the figures given include a large percentage of vanilla shipped to, and owned by, direct importers such as America and England. Bourbon firsts are quoted at 16s. 3d. per lb. landed, July delivery.

Essential Oils

PRICE changes during the week are unimportant, and only a small demand has been noted. Sicilian oils have been fluctuating, and at present are cheaper. French neroli oil is dearer. Pennyroyal and rosewood are easier. Patchouli is scarce and firm; forward sales have been made in cassia at steady rates.

ANISE (STAR).—“Red ship” on the spot is nominal at 3s. per lb. Drums for shipment are quoted at 2s. 4d. c.i.f.

BERGAMOT has been quoted easier during the week at from 24s. 6d. to 25s. 6d. per lb. c.i.f. to arrive. Spot holders quote from 25s. 6d. to 26s.

CASSIA is nominal at 8s. 3d. to 8s. 6d. per lb. for 80 to 85 c.a. Sales for May-June shipment are reported at 7s. 3d. c.i.f.

CITRONELLA.—Ceylon on the spot is unchanged at 1s. 9d. per lb.; for shipment 1s. 8d. c.i.f. is quoted. Java oil is about steady at 2s. 6½d. spot and 2s. 5d. c.i.f.

The shipments of citronella oil from Ceylon during the three months January 1 to March 31 amounted to 396,170 lb., compared with 345,735 lb. in 1925. The following are the principal shipments and their destinations for the three months compared with those of the same period in 1925:—United Kingdom, 156,003 lb. (87,098 lb.); France, 11,689 lb. (26,859 lb.); Germany, 19,297 lb. (18,341 lb.); Holland, 4,506 lb. (2,290 lb.); Italy, 1,172 lb. (*nil*); Spain, 1,113 lb. (1,182 lb.); W. Australia, 2,364 lb. (*nil*); S. Australia, *nil* (1,671 lb.); Victoria, 6,369 lb. (14,507 lb.); New S. Wales, 2,356 lb. (6,927 lb.); Queensland, 1,107 lb. (1,239 lb.); Rest of Australia, 1,179 lb. (*nil*); New Zealand, 2,240 lb. (1,641 lb.); U.S.A., 158,806 lb. (169,108 lb.); Rest of America, *nil* (2,240 lb.); Africa, 5,401 lb. (1,341 lb.); India, 10,520 lb. (5,703 lb.); China, 7,706 lb. (2,380 lb.); Japan, 2,290 lb. (2,400 lb.).

GERANIUM.—Bourbon has been fairly active at the source owing to the recent low prices, and the position has improved slightly. Bids around 9s. per lb. c.i.f. have been refused, and from 9s. 4d. to 9s. 6d. is quoted for prompt shipment. Spot is nominal at 10s. 6d. Recently attempts have been made to advance the price of Algerian at the source, but stocks are plentiful on the spot, and supplies are offered at 10s.

LEMON, which declined during the week to 7s. 3d. per lb. c.i.f., or a shade less, has again improved slightly, from 7s. 5d. to 7s. 6d. and upwards being quoted. The position at the source is not well defined, as is indicated by the fact that bids are invited for one well-known brand. Spot is slightly easier at from 7s. 9d. to 8s.

LEMONGRASS.—Cochin on the spot is unchanged at 3s. 9d. per lb., and from 3s. 5d. to 3s. 5½d. c.i.f.

LINALOE.—Mexican is quoted at 10s. 6d. per lb. c.i.f. to arrive.

MANDARIN is cheaper on the spot at 26s. per lb.; for shipment 25s. 3d. c.i.f. is quoted.

NEROLI.—Much higher prices are wanted for new crop oil. The price quoted for neroli pétale at the source is 7,500 fr. per kilo, compared with 4,600 fr. last year. For neroli bigarade 6,000 fr. per kilo is quoted, compared with 3,500 fr. in 1925. Current spot quotations are 28s. per oz. for pétale and 24s. for bigarade, delivered.

ORANGE.—Sicilian sweet is cheaper on the spot at from 9s. 3d. to 9s. 6d. per lb. as to brand. For shipment, 8s. 9d. to 9s. 3d. c.i.f. is quoted for sweet, and 8s. 4d. c.i.f. for bitter.

PATCHOULI.—Penang oil is scarce and firm at from 21s. 6d. to 22s. 6d. per lb.

PENNYROYAL.—Spanish is a shade easier, with sellers at from 7s. to 7s. 3d. per lb.

PEPPERMINT.—American natural tin oil ranges from 58s. to 65s. per lb. on the spot as to brand. Japanese has remained quiet, the nominal value of Japanese dementholised (Kobayashi-Suzuki) being 9s. 3d. per lb. on the spot. A fair amount of business has been done forward, including January-March shipment at 7s. per lb. c.i.f. Twenty cases were offered in auction.

ROSEWOOD (bois de rose) has been in more demand at the slightly easier rates of from 10s. 6d. to 11s. per lb. as to quantity.

SPEARMINT.—Sales of American have been made at around 33s. per lb.

VETIVER.—Bourbon is selling on the spot in small lots at from 40s. to 45s. per lb.

WORMSEED (CHENOPODIUM).—American is quoted on the spot at 23s. per lb.; there is a fair demand.

The following arrivals have taken place, from the countries indicated, at London during the period May 27 to June 1 inclusive: *Araucaria* (Aust.), 5 cs.; bay (B.W.I.), 4 cs.; bergamot (It.), 10 cs.; cassia (Ch.), 25 cs.; cananga (Holl.), 1 dm.; caraway (Holl.) 2 cs., (Germ.) 16 cs.; cedarwood (Fr.) 4 dm., (U.S.) 10 cs.; cinnamon (Cey.), 12 cs.; citronella (Jv.), 17 dm.; eucalyptus (Sp.), 15 cs.; geranium (Fr.) 24 dm., (Réun.) 7 cs., (Alg.) 3 dm.; lavender (Fr.), 2 cs.; lemon (It.), 10 cs.; orange (B.W.I.) 13 cs., (Fr.) 2 cs.; pennyroyal (Fr.), 1 cs.; peppermint (Ch.) 10 cs., (Jp.) 275 cs.; rosemary (Sp.), 2 dm.; sandalwood (Aust.), 25 cs., (Brit. Ind.) 100 cs.; saffras (U.S.), 10 cs.; thyme (Sp.), 22 cs.

Pharmaceutical Chemicals, etc.

THERE is no outstanding feature to comment upon this week. Business has been on limited lines and mostly at very keen prices. Sodium salicylate powder and salicylic acid are easier from dealers.

ACETANILIDE continues quiet, with prices about the same at 1s. 7d. per lb. for B.P. crystals and powder, in one-cwt. lots.

AMIDOPYRIN attracts little business: dealers' prices are from 12s. 6d. to 12s. 9d. per lb.

ASPIRIN has been quiet, but prices appear to be quite steady at about 2s. 4d. to 2s. 5d. per lb., according to quantity, for good brands.

BARBITONE remains dull, with dealers quoting about 9s. 3d. per lb.

BENZALDEHYDE (0.03) is seldom in request: quoted at about 2s. 6d. per lb.

BENZOIC ACID (B.P.).—A moderate business in limited quantities is reported in British at 2s. 1½d. per lb. in one-cwt. lots; Continental, practically free from chlorine, 3s. 3d. to 3s. 6d. per lb. on the spot.

BENZONAPHTHOL is unchanged on a quiet market as offered in five-kilo parcels at 3s. 3d. per lb.

BROMIDES.—The demand continues very limited, and although there is no actual break in prices the position is none too steady: Ammonium, about 2s. 3d. per lb.; potassium, B.P. crystals and granular, 1s. 8½d. to 1s. 9d.; sodium, B.P., 1s. 10d. to 1s. 10½d. per lb.

CALCIUM LACTATE has been moving now and again, with dealers' prices ranging from 1s. 3½d. to 1s. 4d. per lb., according to quantity. British material is quoted at from 1s. 2½d. per lb., ex works.

CHLORAL HYDRATE shows no change, with only a limited business being done: duty paid, 3s. 3½d. to 3s. 4d. per lb., according to quantity.

CITRIC ACID (B.P. crystals).—A fair business continues, and dealers' prices are maintained at last week's better levels: spot, 1s. 3½d. to 1s. 3½d. per lb., less 5 per cent., according to quantity.

CREOSOTE.—B.P. is steady but quiet with dealers quoting 1s. 10d. per lb.

CREOSOTE CARBONATE is quoted at about 6s., with any sales probably at a shade less; market dull.

GUAIACOL CARBONATE remains quiet at the lower prices mentioned last week: about 7s. 3d. per lb., and less for large quantities to arrive.

HEXAMINE has been moving in limited volume, with prices quite steady at about 2s. 4d. to 2s. 5d. per lb.

HYDROQUINONE is meeting with the usual seasonal activity with prices steady at about 4s. 3d. to 4s. 6d. per lb.

LACTIC ACID (B.P.) is steady, with a fair business at about 2s. 3½d. to 2s. 4d. per lb.; technical, 50 per cent. by weight, £41 10s. per ton, spot.

LANOLINE.—Dealers offer anhydrous B.P. at from 5d. to 5½d. per lb. in one-cwt. kegs as to quantity.

METHYL SALICYLATE.—Quoted prices continue irregular, with sales generally slightly under 1s. 4½d. to 1s. 5d. per lb. as to quantity.

METHYL SULPHONAL is dull, with dealers offering at about 15s. 9d. to 16s. per lb.

MILK SUGAR.—Dealers' prices continue steady: German, B.P., 64s. to 65s. 6d.; finest Dutch, B.P., 68s. to 70s. per cwt., in cases.

PARAFORMALDEHYDE (100 per cent. powder) has met with a little business, with prices well up to 1s. 9d. per lb.

PARALDEHYDE has been quiet at from 1s. 2d. to 1s. 4d. per lb., according to quantity and packing.

PHENACETIN is unchanged in values at 3s. 11d. to 4s. per lb.; business has not been brisk.

PHENAZONE is far from active, dealers offering from 5s. 11d. to 6s. per lb., according to quantity.

PHENOLPHTHALEIN is steady but quiet, with prices for one-cwt. lots at about 4s. 1d. per lb.

POTASSIUM CITRATE.—Makers quote B.P. powder or granular at from 1s. 11d. to 2s. 1d. per lb., according to quantity.

POTASSIUM PERMANGANATE (B.P.).—Keen prices are being quoted for the limited business on the market: quantities, in two-cwt. drums, 6½d.; in one-cwt. drums, 6¾d. per lb.; small lots, 7d. per lb.

POTASSIUM SULPHOGUAIACOLATE remains dull, with the price about 5s. 3d. per lb.

RESORCIN is quoted about 5s. 3d. per lb. for "white," with the market steady; slightly cheaper for quantities to arrive.

SALICYLIC ACID (B.P.).—A limited business is reported, with the market showing little change: dealers' prices slightly easier from 1s. 3d. to 1s. 4½d. per lb., according to quantity. British makers' quotations about level: technical, 10¾d. per lb., ex works.

SALOL remains dull, with dealers' prices from 3s. 3d. per lb.

SODIUM BENZOATE (B.P.).—Some cheap offers for forward delivery are on the market, which are under the spot quoted rates of 1s. 7½d. to 1s. 8d. per lb.; business fair.

SODIUM DIETHYLBARBITURATE is of little interest: quoted by dealers at about 10s. 6d. per lb.

SODIUM SALICYLATE (B.P.) is easier, with business limited: B.P. crystals, from 1s. 10d. per lb.; B.P. powder is 1s. 9d. per lb. to 1s. 10d. per lb.

SULPHONAL is dull and the quoted rate of 10s. 9d. per lb. is easy.

TANNIC ACID.—B.P. *teriss* is unchanged in price, with the market quiet: quoted at 2s. 8½d. per lb., in kegs; small parcels, 2s. 11d. per lb.

TARTAR EMETIC is steady, with occasional inquiry: B.P., 1s. 10d. per lb.; technical, 43 to 44 per cent., 11½d. per lb., to arrive.

TARTARIC ACID (B.P. crystals).—A very fair demand continues and spot prices are now quoted at about 11½d. per lb., less 5 per cent., with about the same figure for forward delivery.

TERPIN HYDRATE is seldom inquired for; easy as quoted at 1s. 3d. per lb.

THYMOL is very steady, with B.P. fine white offered from 12s. per lb.

VANILLIN (100 per cent. from cloves).—Cheap offers are still on the market, with British make at from 21s. 9d. to 22s. per lb., and a shade less for large quantities.

Among the chemicals which have paid Key Industry Duty are the following:—Acetone, £2,507; ammonium bromide, £121; carbon tetrachloride, £504; hydroquinone, £299; metol, £195; unenumerated chemicals, £382.

Industrial Chemicals, etc.

London, June 2.

BUT very few changes of a minor character are recorded this week. Business, as is to be expected under the present industrial conditions, has been very poor. Difficulty continues in securing rail facilities; this feature is becoming more acute each day.

ACETIC ACID remains quiet, but prices are about the same: 80 per cent. pure, £38; 80 per cent. technical, £37 per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £65 10s., in glass demijohns; glacial, in barrels, £55 per ton, ex wharf.

ACETONE has been very quiet, but prices are maintained at about £30 per ton for B.G.S., in drums, ex wharf.

ALUM.—Spot parcels of lump, in casks, are offered at about £3 15s. per ton, with the demand slow; cheaper prices for forward delivery.

AMMONIA (ANHYDROUS) continues to move in fair quantity on spot, with prices very competitive, in the region of 1s. 1½d. per lb., for 99.95 per cent., in loaned cylinders, carriage paid.

AMMONIUM CHLORIDE.—The demand for grey galvanising is still very poor, but dealers' prices show no further decline: quoted at £22 per ton, in casks, spot.

ARSENIC.—Cornish agents are, as a rule, still quoting £13 10s. per ton upward, f.o.r. mines, but despite the more encouraging tenor of American reports as to market possibilities this year there is certainly not much indication of

any really stronger tone, although some business continues to be done in Cornish on the basis above mentioned. There is, however, but little foreign arsenic offering on this market.

BARIUM CHLORIDE (98 to 100 per cent. prime white crystals).—Supplies are short, with prices at £10 10s. per ton, in casks; cheaper prices for forward positions.

BARYTES is steady but quieter, with importers quoting from £3 7s. 6d. to £5 15s. per ton, according to quality and quantity.

COPPER SULPHATE.—The export demand has been quiet, but market is steady, with makers' quotations ranging from about £24 to £24 10s. per ton, f.o.b., for casks, less 5 per cent.

CREAM OF TARTAR is steady, with a limited demand; imported B.P. quality is quoted at 76s. to 77s. per cwt., less 2½ per cent. for quantities.

EPSOM SALT.—Commercial quality has been very slow of late, with spot parcels at about £5 5s. per ton, in single bags; cheaper prices for forward delivery.

FORMALDEHYDE is very dull and easy as quoted at about £40 per ton, for 40 per cent. by volume, ex wharf.

GLAUBER'S SALT.—Commercial quality is lacking business, with spot parcels, in single bags, at about £3 15s. per ton; cheaper to arrive.

LEAD PRODUCTS.—Lead acetate, brown, £41 10s.; white, £43 per ton, spot; business quiet. Red lead, imported, £35, c.i.f. London; white lead, dry, £36 7s. 6d.; ground in oil, £37 17s. 6d., c.i.f. London. The market has been steadier and rather more business is being done.

LITHOPONE is steady but slow in moving, with good brands of 30 per cent. Continental red seal quoted on spot at about £21 10s. per ton; cheaper prices for quantities to arrive.

OXALIC ACID is very quiet, with supplies freely offered at about 3½d. per lb., in quantities.

POTASH CAUSTIC.—Market steady but not active: spot, 88 to 92 per cent. solid, £27 10s. per ton, in drums; contracts for forward positions at cheaper prices.

POTASSIUM CARBONATE is steady but dull: 90 to 92 per cent., £24 10s.; 96 to 98 per cent., £26 10s. per ton, in casks; cheaper to arrive.

POTASSIUM CHLORATE has been quieter, but prices are steady: powder, 3½d.; crystals, 4d. per lb., in casks.

POTASSIUM PERMANGANATE meets with keen competition for limited business: quantities quoted down to 5½d.; smaller lots, 5½d. to 6d. per lb. for commercial quality, in drums.

POTASSIUM PRUSSIAN.—Yellow is offered at 7d. per lb., in casks, but a slightly cheaper price would be taken for large business.

SAL AMMONIAC is steady but not at all active: dog-tooth crystals, £30; medium, £28; fine white crystals, £19 10s. per ton, in casks, spot; cheaper to arrive.

SODIUM ACETATE is firm on spot, with little material available: quoted from £20 7s. 6d. per ton upwards, cheaper for July-August delivery.

SODIUM CHLORATE is quiet and prices are rather unsteady as mentioned at 3½d. to 3½d. per lb., in casks.

SODIUM HYPOSULPHITE is very steady and business has been as good as can be expected. Dealers' prices: pea crystals, £15 to £15 7s. 6d. per ton, in one-cwt. kegs; commercial quality, £9 per ton, in casks. British makers quote pure crystals, for home consumption, at £15 10s. per ton, carriage paid to buyer's station.

SODIUM NITRATE lacks business of importance, prices unchanged: 96 per cent., £13; refined, £13 5s. per ton, f.o.r. docks, London; Liverpool prices 2s. 6d. per ton less.

SODIUM NITRITE is still quiet: 100 per cent. basis, £21 per ton and 22s. per cwt., docks, London.

SODIUM SULPHIDE is very quiet: dealers offer 60 to 62 per cent. solid at £11 5s.; broken, £12 5s. per ton, in drums.

SULPHUR is quite steady with a fair demand: American crude, delivered Manchester, is quoted £5 17s. 6d. per ton; refined Sicilian flowers is held for £12 to £12 5s., and roll for £10 to £10 5s., delivered London warehouses.

COAL-TAR PRODUCTS, ETC.—Conditions in this section remain very quiet, and the general depression has been even more noticeable this week. Prices continue about the same.

ANILINE OIL is quoted at about 6½d. per lb., in loaned drums, carriage paid; business very slight. **ANILINE SALT** is offered by British makers at about 7d. per lb., packages extra, carriage paid, with little moving. **BETANAPHTHOL** remains dull with the carriage paid price about 11½d. to 11½d. per lb.

TOLUOL is a shade cheaper on a quieter market: 90's commercial, 1s. 8½d.; pure, 1s. 11½d. per gallon, f.o.r. works. **XYLOL** remains quiet, but prices are about the same: pure, 5s.; commercial, 2s. 3d. per gallon, f.o.r. works. **CARBOLIC ACID** crystals are still very dull, with the price remaining at about 4½d. per lb., f.o.b. in quantities. **CRESYLIC ACID** is

quoted at about 1s. 8d. per gallon for 97 to 99 per cent. pale, but any sales would be at lower rates. **CREOSOTE OIL** has been slow of late, but prices on quotation are maintained: ex works, 6½d.; f.o.b., 7d. per gallon, in quantities. **NAPHTHALENE** is neglected: flakes, £14 7s. 6d.; powder, £12 5s.; crystals, £11 10s. per ton, ex wharf. **Pure METHYL ALCOHOL** is steady but quiet: one-ton lots, £47, in drums; ex wharf; cheaper for quantities. **PYRIDINE** is idle, with the f.o.b. price about 17s. 6d. per gallon. **PITCH** is nominal at about 72s. 6d. per ton, f.o.b. East Coast; no business.

Fixed Oils, etc.

SOME items in this market have been more active, and the tone is much better, with prices moving up after several weeks of depression. Cotton and coconut oils are firm. Linseed oil is rather quiet, and turpentine, after showing some improvement, has fallen back. **ACID OILS** are still quiet, with prices showing a decline; coconut and palm kernel, 39s.; groundnut, 34s.; soya, 31s. spot. **CASTOR** is dull but fairly steady: pharmaceutical, 50s.; first pressings, 45s.; second pressings, 42s. per cwt. spot, in not less than one-ton lots. **COCONUT** is firmer and at better rates: deodorised, spot, fully 52s.; Ceylon, 46s. c.i.f.; Cochin, 50s. c.i.f. **COTTON** is much stronger and at higher rates; deodorised, 48s.; common edible, 46s.; soapmaking, 44s.; crude, 40s. 9d. spot. **GROUNDNUT** is firmer: deodorised, spot, 53s. 6d.; crude Oriental, 46s. 9d. c.i.f. **PALM KERNEL** is steady: deodorised, 48s. 6d.; crude, 46s. spot. **PALM** has been steady, and there is little change in values; business improving: Lagos, 38s. 6d.; softs, 38s. 7½d.; mediums, 38s. 9d.; hards, 39s. 6d.; bleached, 41s. 6d. spot. **RAPE** is quiet and rather easier: refined, 53s.; crude, 50s. 6d. spot. **SOYA** is firmer and brighter: deodorised, 44s. 6d.; crude, 39s. 6d. spot. **LINSEED** (raw, naked) is fairly steady, but business has been quiet. On spot, 31s.; June-August, 30s.; September-December, 30s. 6d. Hull, on spot, 30s. 6d.; June, 30s. 6d.; July-August, 30s. 7½d.; September-December, 30s. 9d. **TURPENTINE** continues to show irregularity, while the premium on spot deliveries tends to diminish now that new crop spirit in America is moving along more freely. Compared with a week ago the trend of values is easier, and there is not much confidence in the market, although the statistical position at this end has been further strengthened by heavy deliveries. These amounted for last week to 2,733 barrels, making an aggregate of 49,017 barrels since January 1, against 38,662 barrels same period last year. The stocks were 13,926 barrels, against 15,257 barrels a year ago, and including the floats the visible supply for London amounts to 15,826 barrels, against 22,690 barrels same date in 1925. London spot price closes at 64s. 9d.; June, 63s. 9d.; July-December, 60s. **WOOD**.—Hankow on spot is dull and easier at 67s. per cwt. in barrels. **RESIN**.—A higher range of quotations has been established in America as stocks there have not been increasing as much as had been expected, and our market is firmer. Quotations for the lower to medium grades range from about 21s. 6d. to 25s. 6d. for H.I., and from 26s. 3d. to 28s. 9d. for the finer grades, including W.W., all c.i.f. Stocks here being low, a good premium is asked by holders.

LUBRICATING, MINERAL, BURNING OILS, ETC.—This market continues fairly steady, but business of any account is confined to one or two lines. Lubricating oils are very steady. **BENZOL** continues very steady: crude 65's, 1s. 3½d.; standard motor, 1s. 8½d.; pure, 1s. 11½d. per gallon, ex works, in tank wagons. **FUEL OIL** is quiet and unchanged: 890 gravity, £3 17s. 6d.; 950 gravity, £4 7s. 6d. per ton, ex tank. **PARAFFIN WAX** and **SCALE** are quiet and rather unsteady: wax, 3½d. to 4½d. per lb., according to melting point, in bags. **Scale** is cheaper at about £25 10s. per ton, c.i.f. U.K. port. **PARAFFIN OILS** continue very steady: American standard white, 1s. 1d.; water white, 1s. 2d. per gallon, barrels free. Russian prime white kerosene, 6½d. to 7d., ex tank; 7½d. buyer's barrels filled free, and 11d. per gallon, barrels free, ex wharf, London. **WHITE OILS** are dull and easy as quoted: Special No. 1, £28; No. 1, £26 7s. 6d.; No. 2, £24 7s. 6d.; No. 3 half-white, £23; No. 4 half-white, about £15 per ton, drums and barrels free, ex wharf, London. **SOLVENT NAPHTHAS** are quiet but steady: 90 to 160, 1s. 4½d.; heavy, 90 to 190, about 1s. per gallon, f.o.r. works. **PETROLEUM JELLIES** are quiet and easy as quoted: white to snow white, £49 10s. to £57; amber and yellow, £17 17s. 6d. to £22 10s.; red vet, £15 7s. 6d.; dark stiff green, £13 per ton, barrels free, ex wharf. **LUBRICATING OILS**.—There is no special change to report: reds and pale oils tend to harden a little. Spot, pales, £11 to £23 7s. 6d.; reds, £13 to £23 7s. 6d.; dark cylinders, £13 10s. to £34 5s.; filtered cylinders, £21 to £33 15s. per ton, less 2½ per cent., ex wharf, London. **SOLUBLE OIL** and **CUTTING COMPOUNDS**, £20 to £29 per ton, net. No. 1 **RUSSIAN OIL** is cheaper with small lots in barrels at £15 5s. per ton, less 2½ per cent., cheaper for quantities.

London Drug Auctions

Commercial Sale Rooms,
Mining Lane, London, E.C.3.
June 3.

The unsettled business conditions prevailing privately were fully reflected in the public auctions, when a fairly large supply of drugs offered, met with a poor response from buyers, the demand being confined to bare necessities at generally easier prices. Cape aloes, where sold, brought steady rates, while buchu leaves were slightly cheaper. Sumatra benzoin was neglected, and for cardamoms steady rates were paid for fine pale. Siam gamboge was easier for fair pipe. Honey was neglected, only out-of-condition lots being disposed of. Matto Grosso ipecacuanha was firm and in small supply only. Menthol was forced off without reserve, but the prices paid were considered satisfactory. Rhubarb was difficult to sell, and several parcels of Shensi sold cheaply without reserve. Sarsaparilla was about 1d. per lb. cheaper for grey Jamaica, and native Jamaica was about steady. Timnevelly senna sold in retail, and beeswax was steady, the bulk of the business having been done privately. The following table shows the quantity of goods offered and sold, the asterisk denoting private sales:—

	Offered	Sold		Offered	Sold
Aconite root (Jp.)	10	0	Honey (cont.)—		
Ajowan oil (pot)	1	0	Rhodes (cs.)	12	0
Aloes—			St. Lucia	6	0
Cape	56	8	San Domingo	160	7
Curaçao (cs.)	143	0	Trinidad	2	0
Zanzibar	5	0	Insect flowers	2	0
Ammoniacum (cs.)	40	7	Ipecacuanha—		
Anatto seed	178	0	Cartagena	3	0
Areca	16	0	Matto Grosso	5	3
Asaetida	12	0	Jalap	20	0
Balsam tolu	12	0	Jambul seed	15	0
Belladonna leaves	5	0	Juniper berries	62	0
Belladonna root	10	10*	Kamala	2	2
Benzoin—			Kino (Afr.)	12	0
Siam	19	0	Kola	30	0
Sumatra	137	11	Lavender flowers	10	0
Buchu	61	4	Liquorice juice	9	0
Burdock root	5	0	Liquorice root	152	0
Calumba	97	0	Mastic	7	2
Camphor (cr.)	15	0	Menthol (cs.)	8	8
Canella alba	2	0	Musk seed	2	1
Cannab. Ind—			Myrrh	83	3
African	39	0	Nux vomica	78	6
Bombay	2	0	Olibanum	200	0
Cardamoms	310	63	Orange peel	56	0
Cascara sagrada	354	19	Orris (Mog.)	34	0
Cascarilla	9	0	Palmarosa oil (pots)	8	0
Cassia fistula	116	0	Paeira brava	37	0
Castorium (lb.)	213	213	Peppermint oil—		
Chamomiles	31	0	Japanese	20	0
Chaulmoogra oil	5	0	Podophyllum root	29	0
Chillies (Jp.)	40	0	Poppy flowers	4	0
Chiretta	3	0	Quince seed	25	0
Cinchona	2	2	Rhapontica root (Ch.)	32	0
Coconut oil (Coch.)			Rhubarb (Ch.)	126	20
(pkgs.) 8	0		Rosemary	16	0
Colocynth	5	0	Roses, Morocco	5	0
Coriander seed	21	0	Safflower	9	0
Cubebs	57	0	Sandarac	40	0
Cuttlefish bone	241	0	Sarsaparilla—		
Dogwood bark	1	0	Grey Jamaica	28	16
Dragon's blood	55	2	Honduras	3	0
Elder flowers	10	0	Mexican	4	0
Elemt	53	0	Native Jam.	29	7
Ergot	6	0	Scammony root	17	0
Eucalyptus oil	69	0	Scopolia root	12	0
Euphorbia pil.	22	0	Senna and pods—		
Fennel seed	50	0	Alex.	12	0
Gambier cube	10	0	Timnevelly	176	12
Gamboge	13	1	Sponges (bls.)	2	0
Gentian	15	0	Strophanthus	30	0
Ginger (Jp.)	50	0	Thyme leaves	83	0
Grains of paradise	6	0	Tonka beans	25	0
Guaicum	1	0	Tragacanth	22	0
Gum acacia	72	0	Turnerie	71	0
Hebanne	22	0	Turtle dried	4	1
Honey—			Turrs leaves	40	0
Australian (cs.)	41	0	Wax (bees)—		
Cuban	30	4*	East African	77	50*
Guatemala	216	27	East Afr. (bleached)	9	9
Hawaiian	100	0	East Indian	29	5*
Hayti	74	0	Jamaica	1	1
Jamaica	892	34	Morocco	2	0
Mexican	58	0	Rangoon	3	3*
New Zealand	5	0	Yohimbe bark	146	0

The late Mr. Taplin

Before commencing his sale, Mr. W. S. Phillips (A. Tooley & Co.) made sympathetic reference to the death of Mr. T. J. Taplin, market representative of Slann & Davis, moving a vote of condolence to his relatives. This was seconded by Mr. J. H. Z. Stallman and Mr. W. A. Gray (Slann & Davis) will convey the resolution of sympathy.

ACONITE ROOT.—Ten bags fair Japanese were held at 70s. per cwt., at which sales have been made privately.

ALOES.—Cape, of which a fair quantity offered, was slow of sale, five cases being disposed of, 36s. to 36s. 6d. per cwt. for dull seconds, and for three cases fair seconds 41s. 6d. was paid. Good seconds were limited at 42s. 6d., and slightly drossy seconds at 40s. A lot of 143 boxes Curaçao was bought in at from 55s. to 67s. 6d. per cwt.

The exports from the Union of South Africa during November 1925 amounted to 56,047 lb. (£425), against 87,213 lb. (£710) in 1924. During the eleven months ended November 30, 1925, the exports were 776,533 lb. (£6,572), against 682,621 lb. (£5,602) for the corresponding period of 1924.

AMMONIACUM.—Seven bags of inferior dark blocky sold without reserve at 2½d. per lb. Pale grain and small tear was bought in at 9d. per lb., and small to bold yellowish tear slightly blocky at 1s. 1d. to 1s. 2d. per lb.

BENZONIN.—Quiet. Eleven cases Sumatra sold at £7 per cwt. for fair seconds of old fracture, and £6 for country cut. Good fair almondy seconds were held at £7 17s. 5d. per cwt.

BUCHU sold at slightly easier prices, comprising two bales of bronzy and part stalky round at 1s. 6d. per lb., subject to seller's approval, and a bale of bronzy long ovals, part stalky, at 1s. 4d. per lb. For good green round, free from stalk, 1s. 10d. was wanted; in another interest fine green clean oval were limited at 1s. 10d.

The exports from the Union of South Africa during November 1925 amounted to 10,792 lb. (£677), against 5,000 lb. (£522) in November 1924. During the eleven months ended November 30, 1925, the exports were 135,115 lb. (£15,589), against 146,038 lb. (£17,193) for the corresponding period of 1924.

CANNABIS INDICA.—It was intimated that the export duty on the other side had been raised by 4s. per lb. Meanwhile, 21s. per lb. was the price asked for a case of Bombay tops in auction.

CARDAMOMS met with a small demand without material change in values, the following rates being paid:—Fine bold pale smooth Ceylon-Mysore, 8s. 6d.; good bold pale, 7s. 3d. to 7s. 4d.; bold and medium, 6s. 7d.; small to medium pale, 4s. 2d. to 4s. 6d.; splits, fine bold pale, 7s. 3d.; medium ditto, 6s. 7d.; brown and split and pickings, 3s. 6d. to 5s. 3d.; seed, 5s. 3d., subject. A large parcel of Mangalore character offered, but only oddments sold, comprising medium round, 6s.; small to medium round, 4s. 3d. to 5s. 3d.; tiny round, 3s. 6d.; Mangalore seed (11 bags), 5s. 3d. to 5s. 6d. (partly subject).

CASCARA SAGRADA.—A lot of 19 bags fair sold at 50s. per cwt. gross for net, subject to seller's approval; a further lot of 235 bags was bought in at 65s. per cwt.

CASCARILLA.—Six bales lean twiggy were bought in at 3s. 3d. per lb.

CASSIA FISTULA.—A lot of 16 baskets fair sound Java offered, a bid of 27s. 6d. per cwt. being refused, 30s. being wanted.

CALUMBA.—A lot of 97 bags small to medium dull and dark natural sorts was bought in at 13s. 3d. per cwt.

CASTORIUM.—Four kegs pickings, total about 213 lb., sold at 31s. per lb., subject to seller's approval.

CINCHONA.—A lot of two bales Loxa quill sold at 1s. per lb., subject to seller's approval.

CUBEBS.—A lot of five bags Singapore (ether extract 25 per cent.) was offered and bought in at £13 per cwt.

DRAGON'S BLOOD.—Two cases dull seedy Singapore lump sold at £14 10s. per cwt.

ELEMT.—A lot of 53 cases offered, more than half of which consisted of fine pale Manila firsts, which were bought in at 125s. per cwt., the highest bid being 90s. Yellowish seconds were bought in at 85s. and specky thirds at 75s. per cwt.

EUPHORBIA PILULIFERA.—Two lots consisting of 22 bales were bought in at from 25s. to 32s. 6d. per cwt. for ordinary to good quality.

GAMBAGE.—A single case of fair slightly blocky Siam pipe sold at £18 10s. per cwt., being slightly easier.

GENTIAN.—Five bags cut were limited at 37s. 6d. per cwt., at which private sales have been made.

GUM ACACIA.—A lot of twelve bags good pale Ghatti was bought in at 45s. per cwt., and six bags not quite so good at 31s.; ten bags small to bold cleaned Kordofan were bought in at 52s. 6d. per cwt.

HONEY met with a poor reception, and in spite of importers willing to meet buyers' views little or nothing was sold, except out-of-condition stuff. Of Jamaica, ten sold privately, and 22 packages fermenting realised 30s. to 31s. 6d.; pale to light amber new crop, was limited at 42s. to 50s. per cwt.; other parcels of old crop were highly limited. Of San Domingo, four packages brownish ferment-

ing and dirty realised 30s.; pale fermenting (three packages), 34s. Of Guatemala, 24 cases new crop sold at 60s. per cwt. Four packages Cuban sold privately.

IPECACUANHA.—Privately sales of Matto Grosso have been made at 14s. 6d. per lb. In auction only five bales of this description offered, and three sold at 14s. 6d. per lb. Of Cartagena, three bales were offered and bought in at 14s. 6d.

KAMALA.—Two bags ordinary dull unsifted sold without reserve at 1s. per lb.

MASTICH.—A lot of two cases fair pale tear sold at 1s. 11d. per lb.

MENTHOL.—Five cases Suzuki offered and sold without reserve at 17s. to 17s. 3d. per lb., less $2\frac{1}{2}$ per cent. discount. Later, three cases Kobayashi also offered and sold without reserve at 17s. to 17s. 3d. per lb., less $2\frac{1}{2}$ per cent. discount. Privately, after the sale, 18s. was asked, and slightly less for quantity.

MUSK SEED.—A single barrel fair Grenada sold at 2s. 6d. per lb.

MYRRH.—Three bags of common pickings sold at 36s. per cwt. Ordinary to fair partly blocky Somali sorts were limited at from 70s. to 90s., and dusty siftings at 60s. per cwt.

NUX VOMICA.—Six bags fair Ceylon sold at 14s. 3d. per cwt., subject to seller's approval.

PEPPERMINT OIL.—Ten cases Kobayashi dementholised were offered and bought in at 8s. per lb., less $2\frac{1}{2}$ per cent. discount, a bid of 7s. 6d. being refused, and a further ten cases in another interest were bought in at 9s. 6d. per lb.

QUINCE SEED.—Eight bags fair Portuguese were limited at 2s. 6d. per lb., and the offerings included three bags good Capo at 3s. 3d. per lb.

RHUBARB.—The sales were largely confined to without reserve goods, which brought the following rates:—Three cases medium flat Shensi, with two-thirds fair pinky fracture part rough, 2s. 3d.; two cases medium round ditto, 2s. 4d.; two cases medium to bold flat, 2s. 3d. to 2s. 5d.; two cases part spongy pickings, 2s.; one case medium to bold flat wormy Canton, 1s. 1d.; three cases medium flat sound Canton, 1s. 4d. per lb. The following sold under usual conditions:—Four cases High dried medium to small rough round, with two-thirds poor fracture, 1s. 7d. per lb. A case of fair Shensi pickings sold at 2s. per lb. Medium to bold round Shensi, with two-thirds pinky fracture, was bought in at 3s., and small round at 2s. 9d.

SAFFLOWER.—Nine bags were offered and bought in; the broker intimated private sales at 60s. per cwt.

SANDARAC.—Forty cases pale Morocco tear were limited at 150s. per cwt.

SARSAPARILLA.—The quality of recent imports of genuine grey Jamaica shows an improvement, being more fibrous. The first lot of 18 bales offered, and eight sold at 1s. 7d. per lb. for good fibrous, being slightly easier, and one bale part mouldy at 1s. 6d., the remainder being bought in at 1s. 9d.; a further ten bales offered, and eight sold at 1s. 6d. to 1s. 7d. for part coarse and dark to good fibrous; four bales part chumpy Mexican were bought in at 9d. Of native Jamaica, three bales sold at 1s. 4d. for yellow and red mixed, and 1s. 3d. for yellow and grey. Dull to fair red was limited at 1s. 6d. to 1s. 7d. per lb. Three bales of Honduras were bought in at 2s. per lb.

SENA. was almost neglected, seven bales of Tinnevely pods being disposed of at 4d. to 5d. per lb. (the latter subject) for darkish to fair. Five bales small yellowish Tinnevely leaf sold at 4d. per lb.; no good green offered.

TURTLE (DRIED).—For a case of fair sound quality 6s. 6d. per lb. was asked; a case of mouldy sold at 1s. per lb.

WAX, BEES'.—Five cases dull to fair bleached East Indian had been sold privately at from £10 5s. to £10 10s. per cwt. Of East African bleached, nine cases sold at £10 5s. per cwt., subject to seller's approval; 50 bales East African block had been disposed of privately. A single barrel of pale to dark brown Jamaica realised £9 per cwt.

Ceylon Cinnamon

SPEAKING to a motion of the Ceylon Legislative Council for the appointment of a Committee to report on the advisability of appointing Commissioners to find new markets for Ceylon produce and to stimulate the export trade of Ceylon generally, Mr. K. Balasingham said, *inter alia*, the position of cinnamon was unsatisfactory. Cinnamon was, during the Dutch period, a most important industry in Ceylon, but now that industry was practically dead, or was dying. The total area under cultivation was not more than 40,000 acres, and it was yearly decreasing. Spices of the character of cinnamon, with its medicinal properties and its aromatic uses, had, he said, to be brought home to the people in different countries, and he felt sure that throughout India it was not so well known as it might be. There were many other spices and condiments which went to flavour things, but cinnamon

was not so largely in use. Many uses could be found for it, and their trade in it had declined because they depended solely on the Western markets.

West Indian Produce Exports

THE following are the exports of produce from the British West Indies from January 1 to December 31, 1925, except in the case of Montserrat, where the figures cover only nine months:—**Arrowroot:** Dominica, 394 lb.; St. Vincent, 3,158,029 lb. **Bauxite:** 174,999 tons **Chicle:** British Honduras, 334,892 lb. **Dycwoods:** Jamaica, 22,913 tons. **Ginger:** Dominica, 2,100 lb.; Grenada, 160 lb.; Jamaica, 2,601,384 lb.; St. Lucia, 107 lb.; St. Vincent, 1,050 lb. **Ground nuts:** Grenada, 8,197 lb.; St. Vincent, 278,848 lb. **Honey:** British Honduras, 4,186 lb.; Dominica, 7,253 lb.; Jamaica, 2,307,942 lb.; St. Lucia, 43,862 lb.; Trinidad, 38,821 lb. **Lime juice (raw):** Dominica, 313,896 gall.; Montserrat, 2,784 gall.; St. Lucia, 23,428 gall.; St. Vincent, 65 gall. **Lime juice (conc.):** Antigua, 500 gall.; Dominica, 111,937 gall.; Grenada, 9,075 gall.; St. Lucia, 40,858 gall.; Trinidad, 6,171 gall. **Lime oil:** Dominica, 5,150 gall.; Grenada, 130 gall.; St. Lucia, 1,482 gall.; Trinidad, 108 gall. **Logwood:** British Honduras, 609 tons; Grenada, 31 tons; St. Lucia, 779 tons. **Mace:** Grenada, 430,416 lb.; St. Lucia, 2,068 lb. **Nutmegs:** Grenada, 2,437,344 lb.; St. Lucia, 9,588 lb. **Essential oils:** Dominica, 16,561 lb.; Jamaica, 103,519 lb.; Montserrat, 72 lb.; St. Lucia, 2,317 lb. **Pimento** Jamaica, 14,258,608 lb.

Japanese Peppermint Situation

IN a report dealing with the outlook for the cultivation of peppermint in Japan, the semi-official "Industrie- und Handels-Zeitung" states that the production of crude peppermint oil in 1925 amounted to 1,573,000 lb., from which about 666,500 lb. of menthol and 906,500 lb. of peppermint oil were obtained. In view of the increasing Chinese competition this amount is expected to be largely in excess of the demand during the current year, and consequently large quantities of Japanese menthol and peppermint oil will not be placed on the market until 1927. Towards the middle of 1925 a brisk demand for peppermint oil set in on the London and Hamburg markets, resulting in an advance in the price, which in October reached 17.5 yen per kin. On the other hand, the demand for menthol remained weak, and the price, which at first stood at 33 yen per kin, slowly declined. At the beginning of 1926 peppermint oil was quoted at 9.25 yen, and menthol at 15 yen per kin. If the weather is favourable the yield of crude peppermint oil in the current year will be even larger than in 1925; it is estimated that the crop in the Sambi district will yield about 1,200,000 lb., and in the Hokkaido district 1,330,000 lb. Consequently, when the amounts remaining over from 1925 are added the total stocks of crude peppermint oil available in 1926-1927 will be very large indeed. Although the quotations for menthol and peppermint oil are lower than during the past years, in business circles a further decline in prices is expected in view of the large accumulation of stocks. In this case the price for crude peppermint oil would be lower than the actual cost of production, an economic factor which would doubtless induce farmers in 1927 to grow rice in the place of peppermint.

Exchange Rates on London

The following is a list of Continental and other exchange rates against the pound sterling on London prevailing at 4 p.m. on Wednesday:—

Place	Method of Quoting	Par of Exchange	May 26	June 2
Amsterdam	Fl. to £	12.107	12.10—12.10½	12.10½—12.11½
Berlin	M. to £	20.43	20.42½—20.43½	20.42½—20.43½
Brussels	Fr. to £	25.22½	151—151½	150½—150½
Bulgaria	Lev. to £	25.22½	675—680	675—680
Calcutta	Per rup.	24d.	17½d.—17½d.	17½d.—17½d.
Constantinople	Pst. to £	110	885—900	875—890
Copenhagen	Kr. to £	18.159	18.51—18.53	18.43—18.46
Greece	Dr. to £	25.22½	362—365	386—391
Hong Kong	T.t. \$	—	35½d.—35½d.	27½d.—27½d.
Italy	Lire to £	25.22½	128—128½	128½—128½
Kobe	Yen	24.58d.	23½d.—23½d.	23½d.—23½d.
Lisbon	Escu.	53½d.	2½d.—2½d.	2½d.—2½d.
Madrid	Pes. to £	25.22½	37.87—32.92	32.37—32.39
Montreal	\$ to £	4.86½	4.85½—4.86½	4.85½—4.86½
New York	\$ to £	4.86½	4.86½—4.86½	4.86½—4.86½
Oslo	Kr. to £	18.159	22.41—22.44	22.21—22.24
Paris	Fr. to £	25.22½	147½—147½	146½—149½
Singapore	Per dol.	—	27½d.—27½d.	27½d.—27½d.
Stockholm	Kr. to £	18.159	18.16—18.17	18.16—18.17
Switzerland	Fr. to £	25.22½	25.10—25.10½	25.11—25.12
Vienna	Sh. to £	24.02	34.42—34.47	34.40—34.45
Warsaw	Zloty to £	25.22½	50*	50*

* Nominal.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

The Draft D.D.A. Regulations

SIR,—The acknowledgment received by the Retail Pharmacists' Union in reply to their letter to the Home Secretary concerning the proposed veronal Regulations contained the following statement:—"The question was discussed with representatives of the Pharmaceutical Society before the draft Order was issued" (*C. & D.*, May 29, p. 710). From this we can only conclude that the Society was aware of the conditions under which pharmacists will labour if the Order is brought in as drafted, and it would be as well that we should be informed whether the Society protested against the interference with the Pharmacy Act when the matter was under discussion with the Home Secretary's department. If the Society agreed to the wording of the draft Order as published, it would seem that their protests afterwards are a little superfluous, and there is nothing to be gained by a continuance of them. Mr. John Humphrey, in his address to the National Association of Women Pharmacists (*C. & D.*, May 29, p. 706), suggested that pharmacists should agree to carry on as before, and, in the case of any individual being made an example of and imprisoned, all his neighbours should close for a week as a protest. The old adage that two wrongs do not make a right would seem to apply here; and it seems to me that to defy a law, even though it appears to be inequitable, is hardly the right way to get it remedied, and from past experience it is practically certain there would never be sufficient agreement among pharmacists to carry such a plan into effect. A further point is that the actual administration of the Pharmacy Act is no longer confined to the officials of the Society; in view of the interpretation of the clauses relating to the storage of poisons, etc., it would seem that the officers appointed under the Dangerous Drugs Act can take steps to secure the enforcement of the penalties provided, and any addition to these drugs, such as the inclusion of veronal, etc., means a widening of these powers to the detriment of the Society's status. There is one part of Sir William Willcox's address which I do not quite follow; he is reported to have said: "He has to bear the trouble of rectifying matters when prescriptions are presented to him which do not comply in every detail with the Regulations," referring, of course, to the pharmacist. Now, if a prescription is not written in accordance with the requirements of the law, it would seem that it is not legally a prescription at all; why, therefore, should the pharmacist have anything to do with it?

Yours, etc.,

NONRUN (31/5).

Rates of Profit

SIR,—The methods advocated by "Xrayser III" (*C. & D.*, May 29, p. 713) to meet the competition of cut prices hardly strike me as being practicable. Apart from any moral consideration, I fail to see how "Xrayser III's" plan is to be carried out; as I understand his idea, if the neighbouring grocer cuts the price of alum or borax, I should send to his shop and purchase some of his jam, which he is selling at 1s., and display it in my window at 10½d., with a card drawing attention to the difference in price. Equally, of course, it would be open to the grocer to retaliate and, by way of a draw, make a show of some of my own specialities. If anyone embarked on this idea, how is he to keep up the supply of goods? It would mean sending a messenger to the opposition shop each time to purchase supplies, and these would have to be obtained one or two at a time, or a different messenger sent each time, and it would be a work of considerable difficulty to obtain a sufficient stock, and also involving such petty devices that I am sure few pharmacists would undertake such a proposition. I speak with some little experience of such tactics, as at

one time, when working abroad in a pharmacy which was the only British-owned one in a place where there were also many native drug shops, some of these shops tried the same game with cut prices for certain infants' foods imported from England, and, after cutting them below cost, they then hit on the idea of purchasing from us and saving the trouble and cost of Customs clearance, etc. We soon put a stop to this when we found out what was going on, by charging full price for cash sales, as practically all our regular customers had accounts. Having seen something of this method of competition, I shall not be tempted to put it into practice, however much prices are cut.—Faithfully yours,

MORALIST (29/5).

The Retailer's Co-operation

SIR,—A writer in the May number of "The Script," dealing with the way in which trade advertisements are drawn up, quotes one type of advertiser, whom he terms "Mr. Hardface." The article attracted my attention, as I had recently been visited by a traveller of this kind, fortunately rare among the representatives who generally call on chemists; and he laid down his ultimatum in a "deliver or die" style before even ascertaining whether I stocked the goods. By a rare coincidence, while he was talking, a lady customer came in and asked for the line in question; so, without comment, I fetched it and placed it on the counter before her, and she then asked me if I thought it would be suitable for the purpose she required. Such an opportunity was too good to be missed, and I had the satisfaction of pleasing both the customer and myself by supplying her with a product of my own packing; needless to say, the "hardface" was furious, so I had the further satisfaction of telling him that he had had a practical demonstration in salesmanship which he would do well to profit by. If the goodwill of the retailer is lost, a large amount of the advertising effort is wasted, especially in a pharmacist's business, as customers rely so much on his opinion that he has unusual opportunities of influencing sales.

Yours faithfully,

MOLLIFAC (31/5).

Appreciations

To be without the *C. & D.* is to be out of date.—*J. V.* (7/4).

It would be folly to be without the *C. & D.*—*H. A. M.* (18/5).

Your paper is a true friend to all chemists, and I would not be without it.—*A. J.* (28/4).

I am beholden to the *C. & D.* for whatever commercial success I have achieved in life.—*J. G.* (26/3).

The loss of the *C. & D.* last week will, if possible, make us appreciate it all the more.—*J. H. S.* (16/5).

We certainly get sterling value, and should not care to miss your splendid weekly.—*A* Belgian subscriber (67/37).

I consider the latest *C. & D. Diary* is absolutely irreproachable and invaluable to any in "the business."—*A. W.* (15/1).

The particulars given in the *Diary* are of the highest interest to us, and serve as a valuable guide to us for our purchases. No other paper in the drug trade is of similar value and usefulness as the *C. & D.*—*Foreign Subscriber* (31.12).

We very much appreciate the trouble you have taken and the valuable information you have given us. It has become a habit to turn to *THE CHEMIST AND DRUGGIST* for information which is not forthcoming from other sources.—*C. & C.* (4/1).

Irrespective of the general trade matter, at all times thoroughly comprehensive, your special features are always more than value for the small subscription. "Pharmaceutical Botany" formed an excellent serial, now a valuable volume. The Commercial Compendium is the embodiment of knowledge upon the highest essentials of our calling. Go forward!—*W. T. D.* (4/2).

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics

Loss on Insurance Dispensing

It seems from his last letter (*C. & D.*, April 17, p. 581) that "Perplexed" is still in considerable doubt as to whether there is any change out of the N.H.I. work or not. He now gives us the net cost of individual service as 1.64d., but does not say if he counts each panel customer as a separate sale. Instead of costing 1.64d. this service is more likely to cost three times as much—i.e., 4.92d., which makes a much larger hole in the fee of 4.5d.; in fact, it leaves a balance on the wrong side.—*Assured* (19/4).

During the Strike

Temporarily upset by the cessation of tramcars, we in Nottingham were uncommonly well served by private owners of cars, and from May 4 onwards motor buses—on practically all routes—increased in number (and reliability) daily. There were here and there amusing incidents, as when one of our young men was given a welcome lift to business by a young lady in a handsome two-seater, who then appeared anxious to know what time he would be going back. And how we have missed the *C. & D.*! Can the hiatus ever be filled?—*Aliguis* (19/5).

Court Fees

A recent paragraph on solicitors' fees in the *C. & D.* Commercial Compendium reminds me of an incident that occurred some time ago. A pharmacist was engaged in a County Court case in which a stoving operation had resulted in extensive damage to clothes, furniture and carpets by the acid fumes used. A report was prepared, after analysis of many of the damaged articles, and evidence given which resulted in a win for the plaintiff. The analyst's fees were severely reduced by the officer of the Court, and the solicitors explained that was all the Court allowed. An interview did not avail, and application to the plaintiff for the difference was equally unsuccessful. On mentioning the matter to a public analyst, he said that they had "tried the same game" with him, and being adamant he secured his full fees.—*Ann Eliza* (21/4).

Tinct. Chlor. et Morph. Co.

In view of the report of the London Insurance Committee (*C. & D.*, May 1, p. 645) concerning the dispensing of tinct. chlorof. et morph. co., there should be some rule laid down with regard to this preparation, especially under the present conditions of insurance work. Personally I always dispense the new B.P. tincture unless the prescriber has written the figures "85," as it is the only really official one, the absence of the word "co." being no definite indication of intention. At the same time doctors are not generally noted for being meticulously careful as to details, and it is quite possible that many of them expect to get the preparation more familiarly connected with the term "chlorodyne" whatever they may write; for this reason (and to save chemists more troublesome inquiries) a definite course should be adopted.—*CHLORODIN* (3/5).

A Forerunner of the Lucifer Match

The following advertisement appeared in the "Morning Chronicle" (London) of February 18, 1783:—"Phosphorick Matches, which, on being broke, immediately light of themselves, without the assistance of flint, steal [*sic*], or tinder. . . they burn for ten minutes, and yield as clear, bright light, as a wax candle. In case of any unforeseen accident, they will be found exceeding useful. Sold only by Arnold Finchett, Tin-man, . . . Fleet-street." On April 11, 1783, the same paper had an advertisement of "solid phosphorus," "prepared and sold by Thomas Willis, Chymist, at the Hermitage," who informed his readers that half a drachm, "price 3s.," would make "more than 50 Phosphoric Matches." On April 22, 1783, Finchett added "solid stick and liquid phosphorus" to his advertisement.—*A. E.* (25/5).

Legal Queries

O. S. C. (20/5).—Medicine-stamp duty does not apply to single herbs or mixtures of herbs which have not been in any way medicated or prepared. Celery seeds may be held out for the cure of ailments and a coined name may be applied to the seeds without incurring liability to duty.

J. C. (27/5), who has frequent inquiries from hospitals and works for two- and four-gallon consignments of methylated spirit, asks if he can lawfully execute orders for such quantities; and also whether persons wishing to purchase such large quantities can obtain their supplies from the manufacturers of the spirit. [Assuming he holds the usual methylated spirit retailer's licence, "J. C." can supply up to four gallons of the spirit at a time. A maker of methylated spirit, whether distiller, rectifier, or licensed methylator, cannot supply less than five gallons at a time, and anyone purchasing from him is required to produce a proper official requisition form duly filled in with the quantity wanted.]

H. G. (24/5) states that "under a late will of 1911" among other property there was left an amount of £1,000 which at the time was regarded as a bad debt, and no death duty was paid on it. The amount in question has just been received. What duty must be paid upon it, and when must the amount be paid? [It seems clear that estate duty will have to be paid upon the £1,000, and legacy duty may be payable also. We cannot say what the amount of the duties will be, as we do not know the circumstances, such as the date of death, the total value of the estate, and whether the will has been proved. If the will has already been proved a "corrective affidavit" will have to be prepared, otherwise application for probate will have to be made. "H. G." should consult a solicitor.]

Rex (19/5) bought premises, consisting of a shop and living accommodation, in September last. He expected to receive vacant possession of the entire premises, but he found that the persons in occupation of the living rooms did not move out, and they have remained in residence ever since. There is no tenancy agreement, but the occupants pay rent weekly. He will require the whole of the premises in the autumn in order that his manager may live there. What steps must he take to obtain possession of the house? ["Rex" must first terminate the tenancy by giving to the occupants notice to quit. It would appear that the tenancy is a weekly one, and that a week's notice is sufficient; but "Rex" should ascertain from the previous owner of the property upon what terms the tenants were admitted, as a longer period of notice may be required. If when the notice has expired the tenants do not give up possession "Rex" can evict them only by obtaining an Order from the County Court. However, the Court will not give him possession unless he can show that there is available for the tenants equally suitable alternative accommodation.]

Liver (27/5) sold a business a year ago, and soon afterwards gave his wife £350. Later he decided to buy another business, and in order to do so borrowed, in February last, £383 from his wife and £200 from a friend. The latter sum he agreed to repay by annual instalments of £50. Can he give to his wife as security a charge on his furniture and his life policy? If so, and the business fails, will the friend have a first call upon the assets? ["Liver" can execute a bill of sale of the furniture by way of security in favour of his wife, and also execute a charge upon the policy in her favour. We advise him to consult a solicitor. If he fails, his wife will be a secured creditor to the extent of the value of the furniture and the policy, whereas the friend will be an ordinary creditor only. Should he go bankrupt, however, it is possible that the trustee could claim from his wife the £350 which was given to her. But if he does not go bankrupt within two years after the gift was made the amount could be claimed only if, at the time the gift was made, "Liver" was insolvent without the aid of that sum. After the lapse of ten years the money could not be recovered from the wife by the trustee in any circumstances.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

J. R. M. M. (INDIA) (29/4).—*SYR. CERASI*.—Syrup of cherries is made from unripe cherries by bruising them with the kernels, allowing to stand three days pressing out the juice, boiling and, when cold, filtering. In each pint of this juice dissolve sugar 3 lb. by heat, then strain through flannel. Often the syrup is made by adding essence of cherry (1 oz.) to a mixture of syrup (6 pints), water (2 pints), tartaric acid (1 oz.), and adding cochineal solution and caramel to give the necessary colour. *Artificial essence of cherry* is made as follows:—

Essence of orris	...	18 oz.
Essence of vanilla	...	2½ oz.
Essence of almonds	...	½ oz.
Butyric ether	...	2 dr.
Acetic ether	...	1 dr.
Colour	...	q.s.

Mix and filter if necessary.

E. J. T. (8/5).—*TONING GASLIGHT PRINTS*.—(1) The following are formulas of toning solutions for gaslight prints:—

Blue		Green	
Fer. et am. cit.	gr. viij.	Uranii nit. (1% sol.)	25 c.c.
Pot. ferricyan.	gr. viij.	Fer. et am. cit. (1% sol.)	25 c.c.
Ac. nit.	π xij.	Ae. acet. glac.	10 c.c.
Aq.	0j.	Pot. ferricyan. (1% sol.)	50 c.c.

After toning, wash until the whites are clear.

(2) We are unable to supply the other formulas you require.

G. H. (10/5).—The curriculum requirement of 4,000 hours for the chemist and druggist qualification may be made up in one shop or in several shops. There is no limit in this respect. The only condition is that in the signing of the certificate each employer will state the proportion of hours spent with him.

J. & A. (11/5).—*DESTROYING DAISIES ON LAWNS*.—A strong solution of green vitriol 3 parts, ammonium sulphate 1 part, may be found useful for destroying daisies on lawns, although these chemicals are generally employed dry in conjunction with sand 1 part. The powder sprinkled on the daisies is washed off after two days.

A. E. D. (12/5).—*SAUSAGE SKINS* are bleached by soaking first in a solution of alum (1 oz. to 5 gallons of water), then in clean water, and finally in a preservative bath containing 10 per cent. of solution of bisulphate of lime. It is the alum that acts as a bleaching agent. Soaking in lime water is also employed for the same purpose. Your customer should experiment to see which method suits his purpose.

T. J. B. (13/5).—*REMOVING INK FROM PAPER*.—The following are effectual ink-removing liquids: (1) Oxalic acid solution; (2) chlorinated lime solution followed by dilute acetic acid. These solutions are applied by means of a camelhair brush, and dried off with blotting paper.

J. B. H., Ltd. (13/5).—*QUININE TONIC WATER*.—The following essence is used in the proportion of 4 oz. to the gallon, to make quinine tonic water:—

Quinine sulphate	...	2 oz. 5 dr.
Citric acid sufficient to dissolve.		
Tincture of orange	...	3½ pints.
Essence of sweet orange	...	1 oz.
Water to	...	1 gallon.

Essence of sweet orange required in the formula is made as follows:—

Oil of sweet orange	...	1½ oz.
Rectified spirit, or		
Isopropyl alcohol,		
Distilled water	of each	3 pints 15 oz.
Tincture of orange	...	22½ oz.
Orange colour, a sufficiency.		

The orange colour generally employed is a solution of croceine orange, the tint of which is heightened with burnt sugar.

V. S. L. (15/4).—A fungoid growth readily develops in distilled water, and more readily where special precautions are not taken to use sterilised vessels for storage.

V. E. H. (13/5).—*GLASS ETCHING*.—Hydrofluoric acid used alone does not give a matt surface to glass, but if vaporised and the gas allowed to act on glass this desired result is obtained. The general method of etching glass is to employ a mixture of ammonium fluoride and barium sulphate made into a cream with hydrofluoric acid. The cream is allowed to act on the glass overnight.

Zeta (13/5).—*FIRE-EXTINGUISHING LIQUID* such as is carried on motor cars is usually carbon tetrachloride.

A. A. W. (13/5).—*MANAGER'S COMMISSION*.—The soundest way to pay commission is on the net profits, because if it paid on any other basis sooner or later it leads to dissatisfaction on one side or the other. The amount to be paid varies according to the basic salary. If this is a good one, then the commission is from 2½ to 5 per cent., but it is impossible to lay down any figure without knowing the basic wage. The point to be aimed at should be that a manager can reasonably arrive at £7 per week, and by diligent service easily exceed it.

W. R. D. (15/5).—When purchasing a business, the book debts and debts owing belong to the vendor, but an agreement is often included in the sale agreement that the purchaser shall collect the debts on commission, or he could purchase them at a discount.

A. E. (18/5).—*PEST OF SPIDERS*.—Thorough cleaning and re-decorating each room of the house infested with spiders should be sufficient to get rid of the pest. The other plan is fumigation with sulphur, chlorine or hydrocyanic acid. We think that sulphur should be sufficient, but recommend that an experiment be tried in one of the rooms to see if it is an efficacious method.

A. E. G. (18/5).—*CEMENT FOR CELLULOID*.—If this is required for celluloid cinematographic films, liquid glue made with acetic acid is generally used.

B. H. & Co. (18/5).—*REDUCING BATH SALTS*.—The efficacy of "Reducing" bath salts depends upon the presence of a small proportion of potassium iodide, and approximately the composition of artificial sea-water salts. Poucher's "Perfumes, Cosmetics and Soaps" gives the following formula:—

Potassium iodide	...	3 parts
Potassium bromide	...	12 parts
Potassium chloride	...	25 parts
Magnesium chloride	...	30 parts
Calcium chloride	...	360 parts
Sodium chloride	...	550 parts

One ounce is required in each hot bath.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," June 15, 1876

Jury Service in Ireland

At the monthly meeting of the Pharmaceutical Society of Ireland on June 7 Mr. Holmes moved the following resolution: "That a circular requesting support to Mr. Errington's amendment in committee on the Juries Procedure Bill (Ireland) be forwarded by the council to Members of Parliament." He said that at the last meeting of the council a request had been forwarded to the Chief Secretary, asking him to include pharmaceutical chemists in the exemption clause of the Juries Procedure Bill, and that a reply had been received in which Sir M. H. Beach stated that "as at present advised he did not see sufficient reason for exempting pharmaceutical chemists." A meeting had, therefore, been held, at which Mr. Holmes had been deputed to endeavour to induce some private member to urge the matter. He had applied to Mr. Errington, M.P., who at once took the matter up, and had given notice of an amendment exempting pharmaceutical chemists. It was understood that Sir M. H. Beach is strongly opposed to the amendment, on what grounds it was hard to say. He (Mr. Holmes) could bring forward unanswerable arguments in favour of their exemption, but would simply state the fact that in England pharmaceutical chemists are exempt.



[Commenced C. & D., July 5, 1924]

Flash-light.—This is a term for combustible mixtures which burn with extreme rapidity and produce a brilliant flash of light for photographic purposes, the name flares being given to the slower burning compounds of pyrotechny. Originally flash-light effects were obtained by blowing magnesium powder through a spirit flame, or by igniting small heaps of powdered magnesium metal mixed with oxygenated salt (potassium chlorate or thorium nitrate). "Smokeless" magnesium flash powders may contain barium peroxide. In modern flash powders the cheaper aluminium powder has replaced magnesium wholly or to a great extent, these being mixed peroxides, perboric acid or silica.

Flash-Light Advertising.—One of the earliest types of illuminated shop-window signs was one in which the words were made of transparent material, illuminated by electric light from behind. This was switched on and off at intervals by a mechanism within the sign, causing the words to flash up periodically. Great advances have been made since these signs were first introduced, and many more elaborate arrangements have been brought into use. In most cases, however, the signs retain their simple mechanism. For outdoor purposes, the use of a "flasher" has advantages, as it provides a means of producing the "in" and "out" effect which can be made such a powerful means of attracting attention to the shop, the light being extinguished and re-lit at intervals of a few seconds. Some signs can be obtained fitted with a two-way flasher, by means of which it is possible to change the colour of the illumination alternately. Gas, too, can be used as a medium for intermittently illuminating advertising-signs. Flashing signs in the window are of doubtful value where the display space is limited.

Flash-light Powder, Danger.—Purchasers of flash-light powder should be warned that certain precautions must be observed in its use. The hands and face should be kept well away from the flash, and inflammable material, such as curtains, should also be at a safe distance. The metal or other container in which the powder is placed for ignition should not stand on a surface, such as a polished table, which is likely to be damaged by the heat without care being taken to see that the surface is protected. For the flash the powder is generally placed in a special apparatus and ignited by a spark from a flint. If this is not used, the powder may be ignited by a piece of touch-paper, which allows the operator time to be at a safe distance. A taper or a match should only be used if it is suitably mounted in a long metal tube or holder. Practically all mixed flash-light powders are liable to explode from direct shock or friction.

Fleabane.—This name is applied to a number of different plants, the one generally known for medicinal purposes being *Erigeron canadensis*, or Canadian fleabane (C. & D., March 6, p. 356). Others are *Pulicaria vulgaris*, which indicates its use; *Pulicaria dysenterica*; *Erigeron acris*, or blue fleabane, all natives of this country; *Erigeron viscosus*; and *E. graveolens*. African fleabane is a species of *Tarchoanthus*, and marsh fleabane, a species of *Pluchea*. In Nicholls' "Botanical Ready Reference," *Erigeron heterophyllum* is mentioned as various-leaved fleabane; *Erigeron Philadelphicum* as Philadelphia fleabane; *Conyza marilandica* as marsh fleabane; and *Conyza squairosa* also as marsh fleabane. In this country the latter is known as ploughman's spikenard, and does not

grow in marshy places, but on limestone hills. *Erechtites hieracifolia* is also called various-leaved fleabane, though its usual American name is fireweed. All the above are reputed to possess medicinal properties. Pennyroyal was known in Roman times as *puleium regium*, and was recognised as the royal fleabane, but it is not now known as fleabane, nor is *Artemisia Absinthium*, though it is equally an insectifuge.

Flea seed is the seed of *Plantago Psyllium*, Linn., a species of plantain indigenous to the south of Europe and North Africa, and cultivated only to a small extent in this country. The seed is small, blackish-brown, and shining, and about the size of a flea, and very like it to a casual observer, whence its commercial name. The specific name is derived from the Greek name for a flea, *ψαλλος*. It is illustrated by Planchon & Collin in "Drogues Simple" (tom. i, p. 495). Its medicinal use in the treatment of constipation is due to the epidermal mucilage it contains, which resembles that of linseed and quince seed. For medicinal use it is sometimes treated with alcohol to remove some constituent that interferes with its usefulness and renders it more effective. Its chief use in commerce is for marbling books. In a beautifully illustrated work by C. N. Woolnough on the "Whole Art of Marbling" the author states: "This is an article little known except by those who have occasion to use it; when saturated with boiling water and well stirred it will yield, when cold, a very strong and powerful mucilage, far stronger than what can be obtained from linseed; and what is better still, it will not soon lose its properties or turn to water, but will keep good for days. It is a great improvement when mixed with the gum for the making of French or Spanish marbles, but it is a total enemy to 'nonpareil,' and all drawn patterns, as it will not allow a comb to pass through without dragging all the colours off with it. To prepare it for use, put a quarter of a pound of seed into a pan or crock, pour upon it a gallon of boiling water, keep it well stirred for ten minutes, then let it stand for half an hour, and then stir again for ten minutes more. In another half-hour pour on a second gallon of boiling water, stirring it as before at intervals for one hour. Let it remain and the seed will settle at the bottom of the vessel. When cold, pour off the top for use. It must not be stirred up after it is cold, or the seed will not settle down again." The book is interesting for containing in the preface a copy of an autograph letter from Michael Faraday, to whom the work is dedicated, in which he states, "I feel much interest in the subject, because of its assisting with my early occupation of bookbinding, and also because of the very beautiful principles it involves." The gum alluded to by Mr. Woolnough is gum tragacanth *elect*. The knowledge that experience has given him concerning the variation in the properties of different samples of tragacanth would probably astonish any pharmacist who has not tried melting pieces of the gum, and shows that it must be derived from more than one species of *astragalus*.

Floor Coverings for the Shop.—The kind of material used as flooring in the shop depends naturally upon the type of premises and on the class of trade for which the chemist caters. In many shops, the flooring composed of ordinary wood blocks is quite satisfactory. For higher-class shops, where it is necessary to convey an atmosphere of quality, parquet flooring is excellent. When purchasing a permanent floor covering, the retail chemist will be well advised to choose a material which does not gather dust, and can be kept clean with minimum trouble. If desired, it is a simple matter to use additional loose floor covers, in the way of mats or rugs, which can be removed at will. Inlaid linoleum makes a very neat floor covering. This can be obtained in imitation parquet style, which, from the point of view of appearance, is almost as attractive as the real parquet, and has the additional advantage of being warmer to the feet. There are many less expensive types of linoleum suitable for shop-flooring. Cork linoleum in plain, brown colour is neat. The patterned types introduce an element of colour and variety, but a uniform design should be used throughout the shop.

The C.&D. Commercial Compendium

With the inlaid linoleum there is no fear of the pattern wearing off, as it is, as implied by its description, actually inlaid. The ordinary printed varieties do not wear so well. In a large shop it may be a good thing to have a strip of coconut matting or dark red felt running the length of the shop where the foot traffic is most heavy. These "runners," as they are termed, preserve the floor covering, and are easily taken up and shaken. Another method is to have carpets or strips of coconut fibre matting, with blue, red or green borders, placed over the linoleum in front of the counters, leaving uncovered the gangways opposite the openings in the counters, so that each strip of loose covering is more or less the length of a counter. Another idea is to have small mats at the foot of each counter chair. Rubber flooring is becoming increasingly popular. It offers a decided advantage in that it is waterproof, and, from the hygienic point of view, there are no faults to find with it. It can be fixed permanently to wood, cement, stone, or metal, and a hard surface finish may be added to make it more durable. Marble and tile reproductions are procurable in this material, and also in inlaid linoleum. Cheap oilcloth, although it may give a pleasing impression when first laid, quickly becomes shabby and threadbare.

Floor Space.—To all retail chemists the problem of finding sufficient storage and display space presents itself at one time or another, yet many retailers do not apply systematic methods in arranging their shop interiors. However small the shop may be, and whatever number of goods it is necessary to stock, it is always wise to have as much open floor space as possible without necessarily limiting the display. By the arrangement of counters and other interior fittings in such a way as to leave the maximum amount of room for the customers, a small shop can often be made to look larger than it really is. On the other hand, if the fittings are placed anyhow and anywhere, and the goods are dumped down indiscriminately, a good-sized shop can be made to look positively insignificant. It frequently happens that parcels and boxes have to be unpacked in the shop, or a display taken down at short notice, in order to remove a package of some particular brand of goods of which a sudden demand has caused a depletion of stock. In such cases, in busy hours, an assistant may be tempted to leave some of the goods still on the floor of the shop, or, after unpacking, to pile boxes and wrapping temporarily in a corner. This is wasting space and giving a bad impression. A point for the retailer to remember in this connection is that floor space, like advertising space, has to be paid for, and, for this reason, if for this alone, every inch is valuable. And just as in advertising a good show of white space adds to the attractiveness of the lay-out, so in a shop a good expanse of clean floor gives an impression of quality, as well as a more "roomy" effect.

Flowers, Artificial, Use in Display.—Artificial flowers for window-display purposes are becoming popular, and there are quite a number of retail chemists who are now using these attractive display aids in one form or another. They find that the "splash of colour" afforded by the use of these ornamental features is a valuable means of attracting the favourable attention of the passer-by. It is a mistake, however, to keep a vase of flowers in more or less permanent use, or to rely upon its unaltered attraction too long. Frequent changes in the flowers are as essential as a regular rearrangement of the products for sale, and, of course, their use should not be overdone. The vogue of the artificial flower in window dressing has brought into popularity a new type of vase as a window-display adjunct. The ordinary glass vase has the disadvantage of being easily broken, and also of showing every speck of dust. The new type of vase is made of papier mâché, will stand a lot of hard wear, and does not need such careful handling. It is possible also to obtain bowls with draping rings attached on each side. These are useful, as lengths of coloured paper, streamers, and the like can be hung from them to give a decorative effect. For use with these

bowls, columns of the same colour and material may be purchased.

Fluoram is a trade term for ammonium acid fluoride.

Fluorite.—See Fluor-spar.

Fluorol is a trade name for sodium fluoride.

Fluor-spar is a mineral mined in Derbyshire, and hence also known as Derbyshire spar, which consists of calcium fluoride (CaF_2), either colourless or exhibiting different colours or variegated effects. It is a by-product in mining for lead, and is worth between 10s. and 20s. per ton, its chief use being as a flux. Fluor-spar is the ultimate source of hydrofluoric acid, sodium fluoride and fluorine compounds in general.

Flux is the name applied to chemical substances which increase the fluidity of ores, metals, or other materials in smelting operations or assay processes. In metallurgy their chief use is to combine with siliceous or other impurities and remove them by formation of a slag. The character of flux used is determined by the nature of the ore treated, the materials being selected so that the basic and siliceous components fuse to form a double silicate containing two bases. Sand and quartz (silica) and silicates are classed as acidic fluxes, while limestone (lime) or dolomite (magnesia) and clay (alumina) are in the category of basic fluxes. Derbyshire spar (or fluor-spar) is a neutral flux. The chief fluxes used in assaying are sodium carbonate (or potassium carbonate) with acidic ores and sulphur compounds, or borax with basic materials. Potassium cyanide serves as a reducing agent, whilst fluor-spar acts as a neutral flux for phosphatic rocks.

Fly-papers.—There are two kinds of fly-papers which command a sale to-day—the poisonous and the sticky. The former are generally made by dipping a piece of absorbent paper in a solution of arsenic, and the latter by coating waterproof paper of the desired shape with a mixture of castor oil and resin. Bird lime is also used. The poisonous type may also be made by dipping absorbent paper in an infusion of quassia to which colocynth has been added, but these have not the toxic qualities possessed by the arsenical ones.

Fly-papers: Sale.—When arsenic is a constituent of fly-papers, the sale comes within Part I of the Schedule of the Poisons and Pharmacy Act, 1908. If, on the other hand, the constituent is a salt of arsenic incorporated with other ingredients, it becomes an admixture, and under the present prevailing interpretation of the Poisons Schedule definitions such papers come within Part II.

Follow-up Advertising.—Manufacturers and retailers who use any form of Press advertising or sales-promotion literature will find that persistency pays in the long run. Spasmodic efforts, except in connection with special events, are more or less useless. Having aroused the interest of the potential purchaser or the local resident by an advertisement or a circular letter, it is not sufficient to let the matter rest there. People may be favourably impressed by the form of appeal, but unless a definite desire is created in their minds by a repetition of the announcement in a different form, it is highly probable that the subject will be forgotten. It may be taken as a safe axiom that one announcement does little more than bring a particular product to people's notice, it seldom impels action. The second may bring in a few results, the third still more, and so on. A properly planned campaign or follow-up system is imperative with any form of sales-promotion. When circular letters are the method used, the second and third follow-ups will often bring in answers in the way of inquiries, orders, or "turns down," although the first letter may have met with little response. These enable the proprietor of the business, or his sales manager, to overhaul the lists of prospective customers, to eliminate useless names, and to concentrate efforts on those who have shown any interest in the goods for sale.

**GUARANTEED (LIKE "CONDY'S FLUID") NOT TO CONTAIN
PERMANGANATE OF POTASH (POISON).**

**CONDY & MITCHELL, Ltd., will take Legal Pro-
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of Potash Crystals as and for "Condy's Crystals."**

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"Condy's Crystals" are put up in bottles to
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"SANITAS"

£1 FOR YOU

in addition to usual discounts—in exchange
for **2 WEEKS' WINDOW DISPLAY** and
an order for the following :

ORDER.

3 doz. Large Bottles "Sanitas" Fluid	@ 19/3 doz.
3 " Small	@ 10/10 "
1 " Large Tins "Sanitas" Powder	@ 12/- "
1 gross "Sanitas" Toilet Rolls—(loose)	@ 68/- gross
1 gross "Sanitas" Toilet Rolls—(in cartons)	@ 68/- "
3 doz. 4-oz. Bottles "Lysol"	@ 6/6 doz.

COST PRICE
(With discounts & bonus)

£9 : 7 : 3

SELLING PRICE

£15 : 19 : 6

PROFIT £6 : 12 : 3



DUE TO THE DISLOCATION OF TRADE
THROUGH THE STRIKE, WE HAVE BEEN
REQUESTED TO EXTEND THE CLOSING
DATE OF OUR BONUS OFFER.

WE THEREFORE HAVE MUCH PLEASURE IN
ANNOUNCING TO OUR FRIENDS IN THE
TRADE THAT WE HAVE MADE THE
CLOSING DATE JUNE 19th.

The Sanitas Co., Ltd. Limehouse, London, E.14





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BARBITONE
BROMIDES
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ALKALOIDS "SANDOZ"

ARECOLINE HYDROBROMIDE
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CEPHAELINE PURE
CEPHAELINE HYDROCHLORIDE
COLCHICINE PURE
COLCHICINE PURE AMORPHOUS
COTARNINE HYDROCHLORIDE
COTARNINE PIITHALATE
EMETINE HYDROCHLORIDE
ESERINE SALICYLATE
ESERINE SULPHATE
HOMATROPINE PURE
HOMATROPINE HYDROBROMIDE

HOMATROPINE HYDROCHLORIDE
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HYDRASTININE HYDROCHLORIDE
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HYOSCYAMINE PURE
HYOSCYAMINE HYDROBROMIDE
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THEBAINE CRYST.
THEBAINE HYDROCHLORIDE
STRYCHNINE, all salts
VERATRINE PURE
VERATRINE SULPHATE
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METHYLENE BLUE MED.



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Sugar
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"THE BEST"

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QUININE } **and**
QUINIDINE
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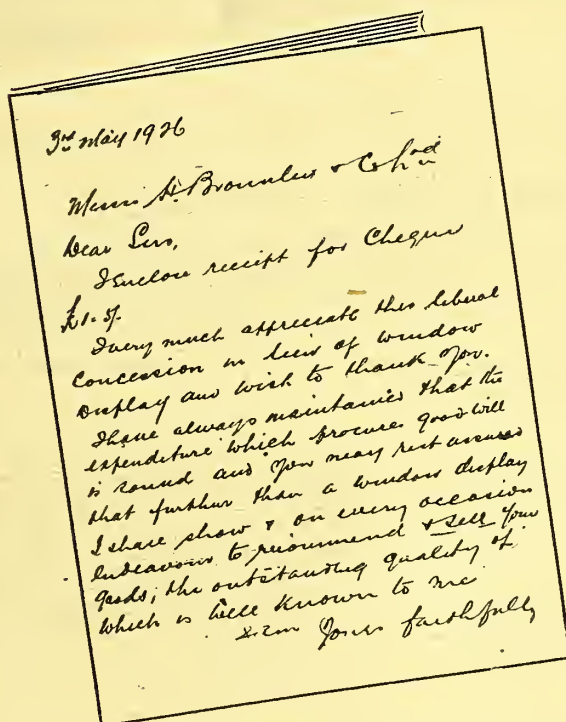
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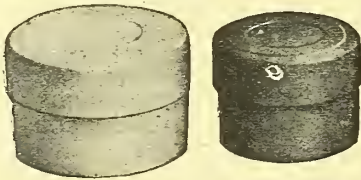
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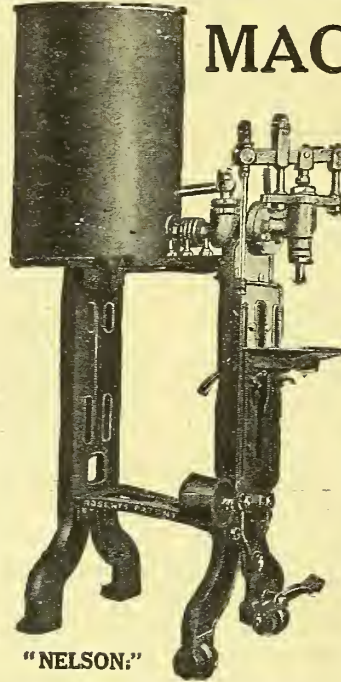
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Greaseproof—the bottoms cannot fall out.



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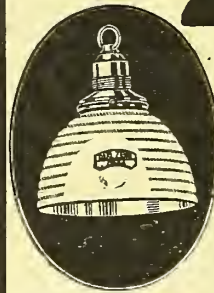
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ZINC, PAINT, OILS, COLOURS, VARNISHES, &c.

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It Pays to Stock Them.

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RODINE is the Popular and Profitable Rat Remover

My brother has used Rodine on his farm with very good results. I always like to sell Rodine as you allow such a good margin of profit.—Mr. H. H. V. Gibson, late chemist of Stewarton, May 18, 1926.

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sell your customer the famous RAT and MOUSE POISON.

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No Swank!!! It really exterminates the pests mentioned.

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Are by far the most efficient and economical for destroying sucking Insects in Greenhouse, Garden, Orchard & Field

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The Band with a Pin enabling it to be fixed in ANY position.

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Samples and Quotations from
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BATTLE'S YELLOW POWDER & PASTE DIPS

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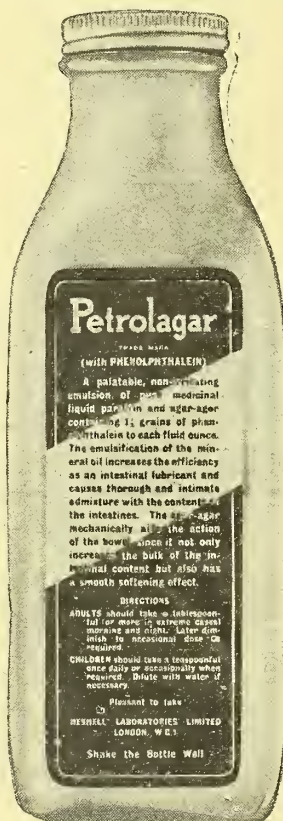
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THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C. 4

JUNE 5, 1926

This Supplement is inserted in every copy of The Chemist & Druggist.

THE SUPPLY OF SUPPLEMENTS.

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note, therefore, that in future, instructions can be accepted for not more than six successive issues of the Supplement at a time, and that in every case the name and full postal address should be written on

Post Office Wrappers, Stamped One Penny, to ensure prompt delivery.

Loose stamps will not be accepted.

CLOSING FOR PRESS.

ALL ADVERTISEMENTS INTENDED FOR
INSERTION IN THIS SUPPLEMENT

MUST REACH US
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CHEMISTS' TRANSFERS.

Messrs. Orridge & Co., 56 Ludgate Hill, E.C.

Telephone No.: CITY 2283.

May be consulted at their Offices on matters of Sale, Purchase and Valuation.

1.—LONDON, S.E.—General Retail, with N.H.I. Dispensing and Kodak Agency; recently established; returns average £40 weekly since opening; large attractive double-fronted shop, splendidly fitted and well stocked; large house; 21 years' lease; further details on application.

2.—LONDON, W. (Suburban).—Light Retail Dispensing and Prescribing; established 1832; net profit exceeds £600 per annum, with scope for further development; the shop is fitted in mahogany; good representative stock; very low rent; held on lease; no immediate opposition; price about £1,500.

3.—KENT (Suburban).—Cash Drug Stores, with Kodak Agency; returns under management, £20 weekly; scope for large increase; well fitted pharmacy; seven-roomed house, and garden; low rent; price, £600; £400 on entry and balance by instalments.

4.—CROYDON (Near).—Good-class Retail and Prescribing Business, with Post Office; returns £1,365, at good prices; six-roomed house, kitchen and scullery; rent, £46 per annum; held on lease; price, £1,150.

5.—SOUTH LONDON (Main Thoroughfare).—Cash Drug Stores, with excellent opening for N.H.I. and Photographic; present hands 16 years; returns £755; single-fronted shop, living accommodation, garden; held on lease at moderate rental; price for quick sale £500, or near offer.

6.—LONDON, N.—Old-established Business; returns £1,250, at full prices; large house, in good state of repair; lease 10 years unexpired; rent, £65; further details on application.

7.—LINCOLNSHIRE.—Old-established Country Retail Business; returns, £3,500, at good prices; large double-fronted shop, heavily stocked; very good house, with private entrance; terms, valuation of stock and fixtures, plus sum for goodwill to be arranged.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

8.—SOUTH COAST.—Cash Drug Store, in main road of progressive town; returns, about £25 weekly, with scope for considerable increase; corner shop, well fitted and stocked; new lease will be granted; price, £1,000.

9.—YORKS HEALTH RESORT.—Middle-class Family Retail and Dispensing Business; returns exceed £1,300; large double-fronted shop, well fitted and fully stocked; rent, £60; rates, £12; price for quick sale, £900.

10.—NORTHERN COUNTY.—General Retail Business, with Kodak Agency; returns, last year, £1,705; net profit £400; single-fronted shop, well fitted and stocked; rent £35; practically unopposed; price £850.

11.—SOUTH-WEST COAST.—Medium-class Business, Dispensing, Prescribing, and Photographic; returns average £1,450, with scope for increase in the hands of a younger man; double-fronted shop, with good working stock; small living accommodation; net rent, £28 per annum; held on lease; price, £750.

12.—LIVERPOOL.—General Retail and Dispensing Business; returns £35 weekly, at good prices; corner premises, very well fitted and stocked; Vendor's own property; would grant a lease or sell; valuation terms entertained.

13.—HOME COUNTY.—Old-established Business and Branch; combined turnover £2,585 last year, increasing; the value of the stock and fixtures at both pharmacies is about £1,100; the rent in each case is £40; long lease; price £1,700, or would sell separately; illness of Vendor cause of sale.

14.—ESSEX.—Good-class Family Business, Photographic and Agricultural; very old-established; returns £3,400; gross profit £1,152; double-fronted shop, well fitted and heavily stocked; Vendor's own property, which he would prefer to sell; nearest qualified opposition six miles; further details on application.

Valuations for Stocktaking

Messrs. O. & Co. are prepared to undertake these essential duties and make Special Terms for such service.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C. 4

The Association of Mnfg. Chemists

— LIMITED —

Business Agency Transfer and Valuation Department,

Head Offices—Kimberley House, Holborn Viaduct, London E.C.1 (and at 2 Bixteth Street, Liverpool)

PARKIN S. BOOTH, Accountant and Valuer. 'Phone: City 1261-2-

BUSINESSES FOR DISPOSAL

- 1.—LONDON, S.W.—Unique opportunity to acquire Cash Retail Dispensing Business, established over a century; centrally situated in busy shopping thoroughfare; lock-up shop, with store room above; lease 13 years at £100 p.a.; returns approximately £50 a week under management; good scope for increase under personal supervision; well fitted and good stock carried; price for quick sale, £2,000 or near offer. (38)
 - 2.—LANCS.—Cash Retail Dispensing Business, with small Optical connection, with good scope; rent, £40; present lease with 2 years, likely to be extended at slightly advanced rent; well fitted pharmacy, with good stock; returns £30 p.w.; convenient dwelling accommodation; price for fixtures and goodwill, £350; stock at valuation. (54)
 - 3.—ESSEX.—Old-established Pharmacist's Business in densely-populated area; returns average £20 per week; good living accommodation and excellent scope for energetic proprietor; 3 years' lease, with option of purchasing leasehold property, with 68 years to run; rental 25s. per week exclusive; price for quick sale, £700.
 - 4.—LANCS. (Seaside Resort).—High-class Perfumery and Toilet Business, established 10 years; single-fronted shop, good window; well fitted and enclosed; depth of shop, which is fitted throughout with oak, 40 ft.; good stock room, large yard at rear, with goods entrance; lease, 3 years; rental, £225 p.a.; returns average £40 p.w.; fullest investigation welcomed; further particulars on application. (43)
 - 5.—POPULAR EAST COAST SEASIDE RESORT.—Excellent empty shop premises shortly available; eminently suitable for high-class Chemist's Business, situated in centre of best trading area within few doors of multiple shops; attractive modern double-fronted shop, frontage 18 ft., depth about 34 ft.; rent, £200 p.a. under lease 5 to 21 years at option of tenant; full particulars on application. (45)
 - 6.—DARLINGTON.—For immediate disposal, Retail Cash Pharmacy, established six years; returns, £17 per week; premises consist of lock-up shop and cellar at £70 p.a.; reasonable offer considered for quick sale. (39)
 - 7.—YORKS.—Well-fitted double-fronted Shop and good living accommodation; three years' lease at £60 per annum; good scope for increase by qualified proprietor; goodwill, stock, fixtures and fittings, £320. (48)
 - 8.—LIVERPOOL.—Old-established high-class Dispensing and Family Business, with valuable Proprietary in connection therewith; returns over £2,000 at approximately 62% gross profit; premises are held on lease, of which 12 years is to run at a rental of £180 p.a., rising to £200, with possibility of renewal for further period. Full particulars will be sent on application. (51)
 - 9.—LIVERPOOL.—Toilet Manufacturing Business, with valuable trade mark; established 63 years; returns average £1,250 a year; convenient premises with office accommodation, fitted with electric light and hot-water boiler; good workable stock; offers invited. (52)
 - 10.—NORTHUMBERLAND.—Recently-established Cash Pharmacy, with Kodak Agency; average takings £14 a week, which can be considerably increased by energetic qualified man; lock-up shop, rent 8s. per week; price for goodwill and fixtures, £275; stock to suit purchaser. (36)
 - 11.—LEEDS.—£650.—Retail Cash Dispensing Business, established 12 years; premises consist of shop with room at rear, 2 bedrooms above; lease, 5 years at £28 5s. p.a.; conveniently fitted and well stocked; returns, £1,900. (26)
 - 12.—SURREY.—£750 will be accepted for Drug Store; established 20 years; double-fronted shop, with room at rear, well fitted and stocked; lease will be granted at rental of £78 p.a.; returns, £1,000 p.a.; all ready money; good scope for qualified man. (27)
 - 13.—LONDON, W.—Small Retail Business, newly established; lock-up shop; stock approximately £275; fixtures and fittings, £80; returns average £1,000 a year, with scope for considerable increase; for immediate sale, £400 will be accepted. (53)
 - 14.—SUNDERLAND.—Two Chemist and Druggists Businesses, with Wine License; lock-up shops, at rental of £45 and £42 p.a. respectively; turnover, £60 per week. Full particulars on application.
 - 15.—BLACKPOOL.—Newly-opened Light Retail Chemist's Business; corner shop; Kodak Agency; main thoroughfare; near station; rent £60 p.a.; 10 years' lease; living accommodation to be arranged; good opportunity for young qualified man; £500 or nearest offer. Further particulars on application. (56)
- Stocktaking and Valuation of Businesses undertaken at moderate inclusive fee. Chemists are invited to consult us in respect of their requirements in connection with sale or purchase of businesses. Chemists in the North are requested to communicate with our Liverpool Offices.

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WILLIAM S. FISH.

VALUERS AND TRANSFER AGENTS,

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(one minute from St. Pancras and King's Cross Stations.)

- 1.—MIDLANDS.—Unopposed Light Family Retail Business in select residential locality; beautifully situated and easily worked; returns £2,350; large house and garden; excellent stock; price £1,450, or near offer; worth attention.
- 2.—WEST MIDDLESEX.—Progressive middle-class Cash Suburban Business with Kodak Agency; returns over £2,200; books properly kept; net profit exceeds £550; good position; growing district; price £1,750.
- 3.—BIRMINGHAM.—Sound Cash Retail, in busy main road; returns nearly £2,000, under manager, increasing; gross profits 40%; fine corner pharmacy; beautifully fitted and good stock; price £1,200.
- 4.—ESSEX (death vacancy).—Old-established Suburban Business, in same hands 30 years; average turnover £1,000; no Panel; can easily be doubled in smart hands; no near opposition; good house attached; price £1,500, including leasehold property.
- 5.—LIVERPOOL.—Light Retail with N.H.I. and small Photo. trade; increasing; returns £1,800; good profits; large well-fitted shop and fully stocked; price £450 goodwill and valuation.
- 6.—DORSET COAST.—Cash Drug Stores, in prominent position, main street; returns £25 a week; plenty of scope in qualified hands; bold corner shop; well fitted and stocked; price £1,000.
- 7.—COLCHESTER (Near).—Unopposed Mixed Country Retail; returns average £900 under unqualified proprietor; good house attached; garage and large garden; own property; lease granted, or will sell; price for business, £550.
- 8.—WEST OF ENGLAND.—Unopposed Business, beautifully situated, main road position; commodious well-fitted premises; good living accommodation; returns over £1,000; rent £45 inclusive; easily worked; price for quick sale, £500 cash (little more than value of stock and fixtures).
- 9.—LONDON, S.W.—Sound Light Cash Retail, with Photo. and N.H.I., in good position; returns over £1,000, under indifferent management; plenty of scope; very convenient house and shop; on lease; low rental; price £750.
- 10.—LONDON, S.E.—Cash Drug Stores, with Kodak Agency; returns, over £20 a week, under manager; main road position; good house, low rent, on lease; price £600.

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WRITE FOR CONFIDENTIAL PARTICULARS OF BUSINESSES FOR DISPOSAL—ALSO GIVE INFORMATION IF YOU DESIRE TO SELL.

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FOR DISPOSAL

£2,000 RETURNS.—Light middle-class Retail in large Midland city; Kodak; N.H.I., 250 monthly; 8-roomed house; rent low; lease; price £1,300.

£1,300 RETURNS.—Yorkshire seaside resort. Good-class light Retail, with plenty of scope for increase; large double-fronted shop; price £900, about, value of stock and fixtures.

£1,500 RETURNS (about), Yorks. Has done much more; neglected; price £700.

£800 RETURNS.—General light Retail in good middle-class district; good house; low rent; London, N.W.; price £425.

£700 RETURNS.—Branch, Durbam Co.; good-class Retail; can be greatly increased by personal attention; price about £650; handsomely fitted shop.

Number of Buyers with cash ready in most districts.
BUSINESSES WANTED.

CHARLES C. MARSDEN

Valuer, Transfer Agent and Stocktaker,
44 SHOLEBROKE VIEW, LEEDS.

N.E. Coast, Industrial Town, Drug Stores with good house.
Taking £12 under management. Great scope for increase and
N.H.I. Price £350. Easy terms offered for a quick sale.

BUSINESSES FOR DISPOSAL.

BIRMINGHAM.—Genuinely sound Chemist's Business for Sale; Cash Retail and N.H.I., etc.; fine position, situated on a busy main road; splendidly fitted shop, modern windows, electric lighting; store rooms; no living accommodation; takings nearly £2,000, and increasing; under manager; rent £65 inclusive; lease; good stock of clean and fresh quick-selling lines; books kept; a business you cannot afford to miss; an opportunity seldom met with; price £1,200. 113/10, Office of this Paper.

BLACKBURN.—Returning £16 weekly and 425 scripts monthly, with or without small optical connection (beginner taught if required); well fitted double-fronted shop; Kodak Agency; growing district; scope for improvement by energetic man; cheap to quick buyer. J. R. Lee, 193 Accrington Road, Blackburn.

BLACKPOOL.—Genuine offer, newly-opened Light Retail Chemist's Business; Kodak Agency; corner shop; nicely fitted; new 50-drawer counter; four grand windows; near station; main thoroughfare; residential neighbourhood; living accommodation over shop may be arranged; rent £60 per annum; 10 years' lease; sell anything except meat and tobacco; neglected management and owner has large photographic works sole reason for sale; a real snip under personal qualified vim; photo stamped envelope; price £450, or nearest offer; stock optional. E. Gameson, Photo Works, Walker Street, Blackpool.

CARDIFF.—Good-class Suburban Retail Business for immediate disposal. Practically new and well built detached premises, with ample compact living accommodation, electric light, garage, nice shop front, first-class fixtures and fittings; excellent fast-developing and convenient district; no opposition; good opportunity; will sell whole as a going concern, or let on lease; moderate price, quick disposal. Apply, J. T. Saunders & Son, Auctioneers and Valuers, 24 Charles Street, Cardiff.

CHESHIRE.—Old-established Country Business; turnover over £3,000; the business is offered on valuation terms; hours short; very small bookings; mostly cash trade and profitable; rent and rates low; long lease; at least £1,000 cash down and the remainder by gradual payments. 103/12, Office of this Paper.

HOME COUNTY.—Centre flourishing market town; turnover £3,600; best possible position; good General, Retail and Prescribing Business, old established; very profitable; double-fronted shop; plenty of storerooms and good living accommodation; very long lease; price, £2,700; references required; cash only. "Genuine," 114/11, Office of this Paper.

LONDON, S.W.—Old-established General Retail; double-fronted; returns, £600-£700; short lease, renewable; price, £450; no near opposition. "R. S.," 113/9, Office of this Paper.

LONGRIDGE, PRESTON.—Old-established Drug Stores, with Kodak Agency; in present hands 29 years; premises consist of double-fronted shop, 5 store rooms, and yard, with 6-roomed house adjoining; well fitted and excellent stock carried; returns average £18 per week; great scope for qualified man; price, including property, £2,200; further particulars on application. 90/16, Office of this Paper.

MIDLANDS.—Splendidly fitted up double Shop in busy Midland town; nice, little nucleus for a beginner; price, valuation, about £550; part purchase price can remain. Particulars, 113/28, Office of this Paper.

NEAR MANCHESTER.—Sound, old-established, well-fitted and stocked Business, with Photography; corner shop, in densely populated district, with excellent living accommodation; electric light throughout; lease can be arranged; immediate opportunity, with sound prospects for any energetic pharmacist desiring same; giving up business through ill-health; price, £825 for quick sale. 113/3, Office of this Paper.

N.E. COAST INDUSTRIAL TOWN.—Private Limited Company, Chemists-Opticians; established; main street; double-fronted shop; good house; well fitted and stocked; restricted Wine Licence; Nyall Agency; N.H.I., 230 May; rent £175 and rates; trade mark and branded proprietaries; also Branch Drug Stores, good house, in populous district; rent £70 and rates; joint returns, September to May, £58 weekly; nearest offer to £2,000 accepted for complete transfer; price for Drug Store separate £350. Full details from Tildesley, Ltd., Middlesbrough.

OXFORD.—Prescribing and small Retail; rent 11s.; turnover £30 to £35; no side lines; £800, or nearest; good position. 111/8, Office of this Paper.

SOUTH COAST.—Old-established Family and Dispensing Business for Sale; prominent position; returns about £5,000. Full particulars upon application. 111/34, Office of this Paper.

SOUTH COAST.—Dispensing and Photo. Pharmacy for Sale owing to unforeseen circumstances; price £350; write for interview. 113/25, Office of this Paper.

WEST RIDING.—J. R. Mackavoy, Earlsheaton, Dewsbury, having purchased a larger business, wishes to dispose of the above; price, with property, about £1,400 cash, or valuation terms; splendid opportunity of a comfortable business; no opposition; view at any time.

A N up-to-date Cash Pharmacy in South Wales; growing district; turnover last year approximately £850; living accommodation; price, £650; bargain. "Gentian," 113/35, Office of this Paper.

CHEMIST'S and Druggist's Business for disposal, first-class, in main road of important Kentish town; old established; long lease; moderate rent; big turnover; price £2,000 a.a.; strongly recommended; owner retiring. Apply 84/799, Office of this Paper.

CHEMIST'S Business for Sale, Salford, Manchester; corner shop, best position in Salford; established 1855; average turnover last four years under manager, £2,200; Wine and Spirit Licence. Particulars on application to 114/33, Office of this Paper.

EXCELLENT opportunity for capable young Chemist with capital, to acquire one of the oldest businesses in Scotland; stock and fixtures to be taken over at mutual valuation; good; will nominal; arrangements must be completed by end of June, otherwise offer withdrawn. 112/12, Office of this Paper.

LOCK-UP; N.H.I.; Photography; growing Midland district; stock at owner's valuation, £275; fittings £145; good opportunity for young, energetic Chemist; low rent and rates; good profits; sole reason for sale, owner requires larger business; price £550. Inquiries to "Chemist," 5 Holder Road, Sparkbrook, Birmingham, or Love & Round, Chartered Accountants, Dudley.

POPULAR Essex seaside resort, on busy main road, double-fronted Shop, with Kodak Agency; 83 years' lease at 38s. 6d. per week, with large house in good condition and side entrance, also nice garden; returns £33 per week at good profits; good scope for N.H.I.; proprietor going abroad; price £1,400 cash; principals only. 114/20, Office of this Paper.

SEASIDE RESORT (Essex).—Genuine offer, Light Retail Business and Premises; returns, £1,800 yearly, all cash; handsome mahogany fittings; fully stocked; Kodak Agency; good prices obtained; in a rapidly-growing residential neighbourhood, therefore turnover cannot help increasing; modern house, freehold; good reasons for disposal; price of business, £1,350; property for sale at valuation. 114/9, Office of this Paper.

SEASIDE RESORT (North-East Coast).—Retail and Dispensing Business, with Kodak Agency; large shop, well fitted and stocked, in good position; rent, £50 to £60 yearly, on lease; returns, £1,300 at good prices, with scope for increase, as district is growing; season just commencing, price £900. 114/16, Office of this Paper.

£475 CASH net, no offers.—Cash Chemists, Derbyshire; nearest opposition threepenny bus journey; three doctors bi-weekly; splendid new complete stock; well fitted; Kodak Agency; established over three years Druggists; advertiser acquired two months ago; returning profits immediately; turnover more than doubled; easily reach £30-5 weekly after strike; N.H.I. July 1; many developing villages within mile radius; chemist's population approximately 10,000; scope Prescribing; nice centrally situated shop; buses stop door; store or bedroom above; rent 10s. week clear; landlord willing long lease same terms; over £500 spent on business; absolutely genuine. 110/6, Office of this Paper.

FOR SALE.

ROTARY Print Dryer, Houghton-Butcher, page 203A; hand drive, gas, suitable for motor; perfect condition; £10. Varley, Chemist, Mumbles.

HOLIDAY OFFER.

CHEMIST (Belgravia, London) offers his convenient house (over business), with daily help to a pharmacist and family who would like to take holiday in London for whole of August; terms, £3 week, the pharmacist to give merely occasional relief in the business. 113/34, Office of this Paper.

APPRENTICESHIP.

A PPRENTICE (boy) for first-class West-End Pharmacy; must have passed Preliminary. Gulliver, 6 Lower Belgrave Street, S.W.1.

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ON THE CAMBRIAN COAST.

ABERYSTWYTH.

Sale of Highly Important Corner Business and Residential Premises, WITH POSSESSION ON COMPLETION, known as No. 53 TERRACE ROAD,

being the old-established Chemist's Business carried on by the late Mr. Robert Ellis, J.P., for over 40 years. The premises occupy a commanding position, with excellent frontages to Terrace Road and Portland Street, in the best Shopping Centre in the Main Street leading from the Station to the Promenade, in the popular Seaside Resort and Market Town of Aberystwyth.

The above Valuable Premises, which are held on a Lease from the Corporation of Aberystwyth for a term of 75 years from the 12th of November, 1900, at an Annual Ground Rent of £15 12s. 9d., will be OFFERED FOR SALE BY AUCTION,

ON MONDAY, JUNE 14, 1926,

at the LION ROYAL HOTEL, ABERYSTWYTH, at 3 o'clock in the afternoon (unless previously disposed of).

The purchaser will have the option of taking over the Stock-in-Trade and Shop Fixtures and Fittings at a Valuation.

For further particulars and to view apply to the Auctioneers, Messrs. Cooke Bros., F.A.I., Terrace Road, Aberystwyth.

Re Winflower, Ltd., also re Hershman & Turner, and other Estates.

B. NORMAN & SON

will Sell by Auction at their Sale Rooms, 5 Little Britain (close to G.P.O.), E.C.1,

WEDNESDAY NEXT at ONE,

CHEMISTS' & DRUGGISTS' FITTINGS & SHOWCASES, including Dispensing Counters and Screens, Druggists' Labelled Nests of Drawers, Wall Fittings and Recess Mirrors, Chemists' and Perfumers' Mirror-lined and other Wall Showcases, Counters with slope front and mirrored doors at back, all Plate-glass Counters, Silent Salesmen and Centre Showcases, Plate-glass Shelves, Cash Desks and Tills, Office Furniture, Safes, Type-writers, Linoleum, Chairs, etc.

On View Day Prior.

Catalogues of the Auctioneers as above. Telephone: Central 6463 (2 lines).

APPOINTMENTS.

LEWISHAM UNION.

HOSPITAL DISPENSER.

The Guardians of the above-named Union invite applications from suitable and qualified persons for the appointment of Dispenser at the Hospital, High Street, Lewisham. Hours of duty on weekdays 9.30 a.m. to 6 p.m.; Saturdays 9.30 a.m. to 1 p.m.

Candidates must be acquainted with the routine attaching to the post of Dispenser at a Hospital, be prepared to undertake simple chemical analysis, and to keep the various books and accounts applicable to the appointment; granted equal abilities, preference will be accorded to candidates who served in H.M. Forces in the Great War.

Salary £275 per year, rising upon satisfactory service by annual increments of £12 10s. to £300; subject to small statutory deductions under the Poor Law Officers' Superannuation Act, 1896.

Further particulars, together with a form of application, may be had at my office upon forwarding stamped addressed envelope, and such form duly completed, accompanied by copies of not less than three testimonials of recent date, must reach me not later than the first post on Monday, the 21st instant.

Selected candidates only will be notified. The person appointed will be required to submit to an examination by the Guardians' Medical Officer. Canvassing is prohibited and will disqualify.

By Order,

W. R. OWEN, Clerk to the Guardians.

Guardians' Offices,
394 High Street, Lewisham, S.E.13.
1st June, 1926.

BUSINESSES WANTED.

MIDLAND OR WEST MIDLAND DISTRICT.—Business showing £7-£10 profit weekly; living accommodation essential. Particulars, in perfect confidence, to "Chemist," 5 Holder Road, Sparkbrook, Birmingham, or to Love & Round, Chartered Accountants, Dudley. No agents.

WANTED, small Business in country town or village; East Coast preferred, but not essential; advertiser seeks same as occupation in semi-retirement; with or without leasehold; state terms for immediate cash; please give particulars, class of trade, population, returns, net profit, and nearest railway station. 114/21, Office of this Paper.

AGENCIES.

ENGLISHMAN residing in Montreal wishes to get in touch with British Manufacturers desirous of being represented in Canada; lines required are Surgical Dressings, Rubber Goods and Druggists' Sundries. Reply, in confidence, 108/7, Office of this Paper.

PARTNERSHIPS.

£200 CAPITAL.—Qualified Chemist (38) desires Partnership or Business where remainder could be paid by instalments; Midlands or Yorks preferred. 111/33, Office of this Paper.

SITUATIONS OPEN.

RETAIL.

[HOME.]

BIRKENHEAD.—Wanted, Qualified male Assistant, age about 25, for high-class Dispensing Business. Apply, with full particulars, including salary required, to W. S. Robinson, 8 York Place, Oxtou, Birkenhead.

BRISTOL.—Qualified Assistant required immediately; good Salesman and Window-dresser essential. Also unqualified Junior. King, Chemist, Stapleton Road, Bristol.

COLWYN BAY.—On or about July 1 until October, an unqualified Assistant, not older than 25, with a knowledge of Photographic work and Salesmanship; state age, experience, salary required, etc., photo if available; no Sunday duty. Llewelyn Jones, Chemist, Colwyn Bay.

COVENTRY.—Qualified Junior wanted immediately. Full particulars, age, and salary required. H. Wetton, Chemist, 27 White Street, Coventry.

EASTBOURNE.—A vacancy will occur next month for single, unqualified male Junior; must be accurate Dispenser, capable and obliging Counterman, used to good-class business; opportunities for study at recognised local school for Preliminary Scientific Examination during winter session. Apply, stating age, height, experience, and salary required, Andrews, Chemist, Eastbourne.

HEATHFIELD.—Lady or gent. (Hall qualification) for Counter work, Dispensing, Book-keeping, and to pack stock. Apply, with full particulars and state salary required (outdoors), to E. Crisp, Station Road, Heathfield, Sussex.

ILFORD.—Assistant, about 24, with good Counter, Dispensing and Photographic experience. Please state age, height, experience, salary, etc., and when able to commence, to "M.P.S.," 23 Craubrook Road, Ilford.

ISLE OF MAN.—Young Qualified Assistant required, male. Apply 84/798, Office of this Paper.

LEICESTER.—Qualified Manager required for up-to-date light Retail and Photographic Business; permanent, and progressive berth; Leicester man preferred. "Leicester," 111/221, Office of this Paper.

LEICESTER.—Qualified Manager wanted; must be thoroughly experienced and reliable; state age, experience, and salary required; no accommodation. Wands, Ltd., Leicester.

LEICESTERSHIRE VILLAGE.—Immediately, Qualified Cover for small Business, or Manager for Branch; no Sunday duty; hours 9 to 7; usual half-holiday; suit recently-qualified junior or elderly gentleman; lady's application entertained. "Country," 114/2, Office of this Paper.

LIVERPOOL.—Qualified Chemist, male or female, to act as Cover to private Limited Company in working-class district. State salary, which must be moderate, full particulars and references. No reply, please consider suited. 113/11, Office of this Paper.

LONDON, E.—Qualified elderly Chemist required as Cover; N.H.I. Dispensing; easy berth. Apply, stating age, experience, salary, etc., to 113/170, Office of this Paper.

LONDON, E.—Qualified Lady Assistant required for N.H.I. Dispensing; comfortable berth. Apply, stating experience, references, salary, etc., to 113/17, Office of this Paper.

LONDON, N.—Male Assistant, outdoors, capable Dispenser, age 22-30, for high-class Pharmacy; Optics an advantage. Apply, by letter in first instance, Kemp, Chemist and Optician, Muswell Hill, N.10.

LONDON, N.—A Junior Assistant required (outdoors); could start immediately; knowledge of various branches of retail trade essential. Full particulars age, salary, height, and experience, to F. J. Sandberg, 22 Regent's Parade, North Finchley, N.12.

LONDON, N.W.—Wanted, immediately, smart Junior Assistant (male); Dispensing and Counter experience essential; (outdoors); full time; personal interview preferred. C. A. Noble, 110 Mill Lane, West Hampstead.

LONDON, S.E.—Wanted, Qualified Assistant, lady or gent., by June 28, permanency, for quick Counter and Dispensing Business; every encouragement and help given to a good assistant. Apply, stating salary required, age, experience and the usual for particulars, 113/14, Office of this Paper.

LONDON, S.W.—Qualified Junior Assistant (male) required. Apply, giving full particulars and salary required, to Bradley & Bourdas, Ltd., 48 Belgrave Road, S.W.1.

LONDON, W.2.—Qualified Assistant wanted at once; good Dispenser and Counter hand essential. Apply, giving full particulars re experience, age, and salary required, to Box 84/801, Office of this Paper.

MALVERN.—Gentlemanly Assistant as unqualified Junior for about three months. Please give full particulars as to experience, enclosing photo, to A. Mander, the Belle Vue Pharmacy, Malvern.

MANCHESTER.—Immediately, qualified man as Cover; good-class business just opening; elderly not objected to if active; moderate commencing salary, with commission on turnover; good opportunity for smart man; state salary, particulars and references. 114/34, Office of this Paper.

NR. BRADFORD.—Qualified Manager required for suburban business; house attached; comfortable and permanent berth for a steady and reliable man. "Bradford," 111/220, Office of this Paper.

NOTTINGHAM.—Qualified Assistant required for six months certain, from June 19; light Retail, N.H.I. Dispensing; guarantee against unemployment if not required longer. Full particulars, salary, photo, etc., with first letter. 113/1, Office of this Paper.

PLYMOUTH.—Two Qualified, experienced Managers required for two neglected businesses; must be live wires; smart Salesmen and quick Dispensers; salary and commission on increase of turnover; well-populated districts. Write, with references, to Cook, 14 Beaumont Road, Plymouth.

ROYAL NORTHERN HOSPITAL, HOLLOWAY, N.7.—Locum Assistant required for six weeks, June 21 to July 31 inclusive. Apply, with terms expected and full particulars, to the Secretary.

ST. GEORGE'S HOSPITAL, S.W.1.—Locum. Assistant Pharmacist (male) wanted from July 5 to September 11 inclusive; Hospital experience essential; hours 9 a.m. to 5 p.m.; Sundays about two hours every third; salary four guineas a week. Apply, by letter only, to the Chief Pharmacist.

SOUTH COAST.—Junior Assistant (male), for light Retail and Dispensing Business; knowledge of Photography and able to dress windows. Full particulars to 113/29, Office of this Paper.

A QUALIFIED and capable Assistant required for good-class Dispensing and Photographic Business; must be good Salesman and Window Dresser. Apply, giving full particulars of experience and salary required, to Knowles, Fletcher & Co., Ltd., 22 Woolwich Road, Belvedere, Kent.

ASSISTANT, age 22 to 25, capable and of good address, required immediately, if possible, for middle-class Family and Dispensing Business. Kindly give full particulars of experience, salary required (outdoors), height, and photo (to be returned). Pont, Chemist, Worcester.

ASSISTANT for Family Retail and Dispensing Business; good Dispenser; outdoor. Apply, full particulars and salary, Dickinson, Chemist, Stamford.

BUYER required; must be fully qualified; Stores experience essential. Apply by letter only, stating experience and salary required, to John Barnes & Co., Ltd., 191-217 Finchley Road, N.W.

CAPABLE London experienced Dispenser (male) for West-End Pharmacy. Give age, previous posts and wage. 113/7, Office of this Paper.

EXPERIENCED, Qualified Assistant wanted, age about 26, for Retail Dispensing and Photographic (no developing). State experience; references and salary. Leighton, 565 Lea Bridge Road, Leyton.

IMMEDIATELY, smart Qualified Male Assistant (outdoors), with good all-round experience, for quick Cash Business; Photographic experience essential. Also Lady (experienced) Assistant for Toilet, Counter and Photographic. Apply Milner, Chemist, 209 Trafalgar Road, Greenwich.

JUNIOR Assistant or Improver; capable young man wanted first week in July for good-class country business; Counter, Dispensing and Photographic. Apply, with full particulars, references, and salary required (outdoors), to Woodhouse & Son, Rexall Pharmacy, Ludlow, Shropshire.

IMPROVER or Junior wanted immediately. State experience and salary required, Wootton & Webb, Ltd., Chemists, Luton.

JUNIOR Assistant or Improver.—Wanted, immediately, capable young man for Counter, Dispensing, and Window Dressing, experience of Photographic and Veterinary work an advantage. Full particulars, salary required, etc., to C. A. L. Wiles, Chemist, Worksop, Notts.

JUNIOR Assistant, with Dispensing experience, for Camden Town and Hampstead districts; able to dress windows and must have some knowledge of Photography. Full particulars to 84/796, Office of this Paper.

LADY Dispenser required for East Ham district; Counter experience an advantage. Full particulars to 84/795, Office of this Paper.

LADY, qualified, wanted, London suburbs, East Ham; young; homely; must have had good experience N.H.I. work; good prospects for worker; live in or out. Age, experience, copy references, wages, to 110/13, Office of this Paper.

LADY Assistant, qualified, accurate Dispenser, and to assist generally. Please apply by letter in first instance, with information, experience, salary required, J. M. Pearson, 63 Lupus Street, S.W.1.

LOCUM, qualified, required from August 7 to September 4 inclusive; age about 30. State references and salary, together with experience, by letter, to Strange, Chemist, 197 Lower Clapton Road, E.5.

LOCUM TENENS required for 5 weeks from 9th of August; applicants (male) must be qualified Chemists. Apply, enclosing testimonials and stating previous experience (Hospital or such Institution preferred), to Major Raphael Jackson, Secretary, Queen Mary's Hospital for the East End, Stratford, E.15.

LOCUM (male) required, fully qualified, for two Dispensaries in North London; five guineas weekly inclusive. "Colwych," 4 Claremont Road, Highgate, N.6.

LOCUM, qualified, required for three weeks, July 5 to 24 inclusive; good-class Dispensing and Retail business experience necessary. Give full particulars of references and salary required to Charles Gilling, Chemist, Sunningdale, Ascot.

MANAGER, qualified, for London suburb; must be accustomed to good family business, able to dress attractive windows, and experienced in Photography. Full particulars to 84/794, Office of this Paper.

QUALIFIED CHEMIST.—Sole charge of Chemist Department in good-class Store Business wanted for June 21, 1926. Apply, with full particulars, to Seth Harry, Ltd., Okehampton, Devon.

QUALIFIED lady required for season; must be good and quick Counter-hand. Send photograph (if possible), with references and salary required, to W. Hudson, Chemist, Skegness.

QUALIFIED Assistant, lady or gentleman; Dispensing, Counter, Photography. Full particulars first letter; photo if possible. S. J. Stearn, Chemist, Felixstowe Road, Ipswich.

QUALIFIED Assistant (young) wanted for light Retail and Dispensing Business. Apply, with full particulars, to A. Smith, 155 High Street, Winchester.

QUALIFIED lady "Minor" wanted for light Retail and Dispensing Business (outdoors); full particulars of age, experience and salary required in first letter. 111/28, Office of this Paper.

QUALIFIED Manager, single, for light Retail and Dispensing business; permanency if satisfactory; good opening for young man anxious to make progress. 111/22, Office of this Paper.

QUALIFIED lady required for Dispensing and Counter; state particulars of age, salary and experience. Richards and Bowring, Ltd., The Pharmacy, Wickford, Essex.

QUALIFIED Manager for high-class quick Counter and Dispensing Business; age 35-45; knowledge of Photography; must be smart and a keen Salesman; please give full details in first letter. Atkinson, Chemist, Westcliff-on-Sea.

QUALIFIED Junior wanted; a vacancy occurs offering exceptional opportunity to young man wanting experience, including Manufacturing, Dispensing, Advertising, Counter, and Relief work; must be well recommended. Apply, with photo and full particulars, also wage required, Strode, Cosh & Penfold, Bristol.

QUALIFIED Manager (lady or gent.) for new Branch near Southwark Bridge; salary and commission; excellent opportunity for a young person to acquire a progressive permanency. Bennett's, Chemists, 79 Union Road, Newington Canseway, S.E.1.

QUALIFIED Assistant (male), young, required at once, or Locum, for two or three months. Apply, with usual particulars, stating whether permanency or locum, P. Stiles, Chemist, Market Harborough.

QUALIFIED Man, young, required for Cash-Business, with view to Manership; one with business ideas and temperate essential. Apply, with full particulars of experience, age, height and salary required, "J. M. C.," 57 Old Town Clapham, S.W.4.

QUALIFIED Male Assistant required for City business, with experience of London Retail and Dispensing. Apply, with usual particulars, to P.C.B. 18/39, Office of this Paper.

QUALIFIED young Assistant wanted for N.H.I. Dispensing, Counter and Photography. Please write, stating full particulars and salary required, to 113/2, Office of this Paper.

QUALIFIED Assistant; capable of taking charge; near Southampton; interest in business will be offered to suitable applicant; age 24 to 30; house if married; highest references. 114/3, Office of this Paper.

T. C. CORNWELL, Chemist, Hanley, has a vacancy for a Qualified Assistant capable of taking sole charge of Dispensing. Apply with usual particulars, salary required, and earliest disengaged.

TWO smart, qualified Assistants well up in Counter work and Dispensing; permanent and improving position for really good men. Apply "A. B. C.," 84/804, Office of this Paper.

UNQUALIFIED Junior, about 20 to 25 years; must be active and reliable; preference given to one with experience in Photography and Chemical Apparatus. Apply, giving full particulars, photo and references, stating wage required, W. Finlayson, Chemist, 141 High Street, Stockton-on-Tees.

WANTED for the season until end of September, a competent Junior Assistant (male) with good references and Dispensing and Retail experience. Apply, with particulars of age, height and salary, when at liberty, to James Hewlett, c/o Baily & Co., Chemists, Margate.

WANTED, a Qualified Assistant, with a knowledge of Optics preferred, for a middle-class Country Business; one capable of taking entire charge if necessary. A. J. Gower, Chemist, Tonbridge.

WANTED, shortly, young Qualified Locum (single man preferred) for three months certain during the holiday months; probably a permanent Manership for a suitable man. State experience and usual particulars, salary, and photograph, to Robinson, 13 Orford Hill, Norwich.

WANTED urgently, Unqualified Assistant, over 25, experienced in good-class Counter and Photo. work. Blacklock & Co., The Square, Bournemouth.

£4 15s. and commission, increase six months to good man; qualified, accurate Dispenser; good business man; N.W. district. P.C.B., 19/3, Office of this Paper.

WHOLESALE.

GIRL, unqualified, with knowledge of Typewriting and experience in Retail Pharmacy; state age, experience, and salary required. Apply 84/800, Office of this Paper.

MANAGER, capable of taking sole charge, required by old-established London Manufacturers of Pharmaceutical and Toilet Preparations and Perfumery; an unusual opportunity for a qualified Pharmacist of ambition, creative ability, and experience in the Wholesale; position offered attractive; possibilities very great; the retiring director's shares are available for purchase (£4,000); applications will be treated in strict confidence. Please state age and full record of working life to 84/790, Office of this Paper.

MANUFACTURING Perfumers require Representatives to carry competitive lines of Toilet Specialities for Yorkshire, Scotland and East Midlands; connection and first-class references essential. 114/36, Office of this Paper.

REPRESENTATIVE. — Young Travelling Representative wanted by large London firm of Manufacturing Chemists; Welshman preferred; must have had good-class Retail experience. Apply, giving full particulars, age, salary, etc., to 84/803, Office of this Paper.

REPRESENTATIVE for London district for high-class Hairdressers' Preparations; only those with proved selling abilities and sound connection with hairdressers need apply. P.C.B. 18/32, Office of this Paper.

REPRESENTATIVES required by well-known firm to carry a unique Toilet Cream on commission only; must be active, energetic and with live connection; liberal terms and good sales backing; replies should state territory covered and give references. E. T. Pearson & Co., Ltd., 35 Gordon Square, London, W.C.1.

REPRESENTATIVES required for all districts to handle a range of first-class Novelities, with big sales; commission basis. Reply, with details of ground covered, to Batty Saunders & Co., Ringwood, Hants.

REPRESENTATIVES calling on Chemists and Hairdressers, etc., to carry French Perfumery and Toilet Preparations, also competitive line of non-combine British Toilet Soap; liberal commission basis. Write, in confidence, stating ground covered, etc., 114/19, Office of this Paper.

SALESMEN on commission basis; one or two attractive side-lines; good repeaters, small samples; sole agencies given to right men; only men with established connections need apply, giving full particulars and references in strict confidence. 111/29, Office of this Paper.

TRAVELLER, live man, calling Chemists, etc., to sell Shampoos, Talc Powder, etc.; good commission. Maurice, 12a Colquhoun Street, Liverpool.

TRAVELLER wanted by leading Perfumery House for Wales; one with experience among Chemists and Perfumers in that district preferred; age not over 40; able to drive car. Write, giving full particulars, to 84/805, Office of this Paper.

URGENT.—One or two first-class Representatives required on a generous commission basis to carry as a side-line a quick-selling, nationally advertised Toilet Product. Reply, in confidence, stating territory, "Advertiser," Box 689, Dorlands, 14 Regent Street, S.W.1.

UNICORN Foot Paste.—More Travellers wanted; 20 per cent. commission; eight travellers already carrying this profitable line with great success. Full particulars as to ground covered, etc., to Loymax, 40a King Street, Plymouth.

[COLONIAL, INDIAN AND FOREIGN.]

CHINA.—Qualified Assistant, about 25, in old-established English Chemists in Shanghai; high-class Dispensing and Store experience essential; salary 300 dollars (Mex) per month, with annual increases; free second class passage; 4 years' agreement. Full particulars as to experience, etc., by letter, to Dakin Brothers, Limited, 82 Middlesex Street, E.1.

KOBE, JAPAN.—Qualified Assistant required for old-established British Pharmacy; age not exceeding 25; good-class experience essential; splendid prospects capable and energetic man; four years' agreement; salary first and second year £216, third and fourth year £252, board and residence provided, passage paid. Apply, with photo and testimonials, MH/Export, S. Maw, Son & Sons, Ltd., 7/12, Aldersgate Street, E.C.1.

SOUTH AFRICA.—A High-class Retail requires the services of a thoroughly experienced Qualified Assistant, age about 25; passage paid out; three years' agreement; progressive salary, commencing at £50 per month; excellent prospects. Apply by letter only to "C. M. N.," 23 Arrol Road, Beckenham, Kent.

WEST AFRICA.—An English Company have a vacancy on their staff for an unmarried Assistant with the qualification of the Pharmaceutical Society of Great Britain; age not over 33; one accustomed to high-class Pharmacy; salary £350 per annum, servant allowance, free quarters; first-class passage out and home; four months' leave after 20 months, full pay on leave; appointment made by directors in this country; expenses paid for interview when required. Applications, in writing only, giving experience, references and photograph, to the Secretary, West African Drug Company, Ltd., 6 Water Street, Liverpool.

SITUATIONS WANTED.

RETAIL.

[HOME.]

A.A.A.—ASSISTANT, unqualified, desires part-time berth: Stock, quick Counterman, Dispensing, Photographic "Aspirin," 31 Groveway, Chadwell Heath, Essex.

A RELIABLE Assistant, middle-aged; disengaged; permanency desired; adaptable in any capacity; with first-class varied experience; active; smart Counterman; moderate wage. "Fairweather," 33 Lee Street, London, E.8.

A BLE to Sell.—Capable, sound, trustworthy, young (31), married Pharmacist seeks responsible post with scope for making selling displays; expert Window-dresser, good Ticket-writer, courteous, tactful Salesman, untiring worker with progressive ideas; available June 28/26; living accommodation desirable but not essential. Fred. Casy, c/o Parsons, Chemist, 7 Brockley Rise, S.E.23.

A GAIN available as dependable Locum Emergency Assistant; accustomed to management; busy Dispensing, Prescribing and brisk Counter; 19 years' excellent references, Drug Houses record. "Reliable," 106 Commercial Road, Peckham, S.E.15.

A s a Locum; disengaged; qualified; highest trade, personal and bank references. "Chemist," 276 Durnsford Road, Wimbledon Park, S.W.19.

A S Manager; qualified; 28; married; capable; good Salesman; 14 years' experience, Dispensing, Counter, Photo., Windows; accustomed responsibility; excellent references; free June 5. Gregory, 337 Camden Road, N.7.

A SSISTANT, tall, 21, competent Dispenser and Counterman, good West-End experience, requires part-time situation in West-End Pharmacy. Apply P.C.B. 17/13, Office of this Paper.

A SSISTANT, deferred Botany (1), desires position for summer months or part-time; 4 years' experience abroad. Miller, 16 Evelyn Gardens, Kew Road, Richmond.

A SSISTANT; 22; unqualified; tall; 8 years' all-round experience, Dispensing, Counter and Photography; good references. Hughes, c/o 7 Raven Lane, Ludlow.

ASSISTANT, unqualified, 27, desires change; Dispensing, Counter and Photographic; Somerset or Dorset preferred. 110/5, Office of this Paper.

ASSISTANT, unqualified; temporary or permanent; good trade experience; would manage Drug Store; purchase entertained; good reference. P.C.B. 18/24, Office of this Paper.

ASSISTANT, unqualified; 21, tall; Dispensing, private, N.H.I., Photographics; Harrogate experience; London, S.W., preferred. Mossop, Tilberthwaite Avenue, Coniston, Lancs.

ASSISTANT, unqualified, 15 years present situation, seeks change; Bradford district; thoroughly experienced and recommended; would consider light Wholesale. Hicken, Victoria Square, Low Moor.

ASSISTANT, 30, unqualified, desires permanency; thoroughly experienced in Counter, Dispensing, Photographics; well recommended; accustomed rapid N.H.I. Geo. P. Dodd, 2 Orchard Cottages, Church Road, Malvern Link, Worcs.

ASSISTANT; unqualified; very moderate salary to commence; good all-round experience, country and West-End; excellent recent references; disengaged; age 51; height 5 ft. 6 in. "Spero," 390 Clapham Road, S.W.9.

ASSISTANT; 20 years' all-round experience; or Manager; middle-aged; active and reliable; permanency; unqualified. 113/15, Office of this Paper.

ASSISTANT; unqualified; 27; Dispensing, Counter, Photographic, Window-dressing; good references; Cardiff or Newport preferred. 112/34, Office of this Paper.

COMPETENT Assistant or Dispenser; over 14 years' experience in Dispensing, Counter, Photography, Prescribing. Harries, 6 Trigon Road, S.W.8.

DISENGAGED—Locum; permanency if suitable; reliable Manager; thoroughly experienced; good references; unqualified. Taylor, 2 Sulina Road, Brixton Hill, S.W.2.

DISPENSER (Hall)—Experienced, qualified lady seeks post, preferably in London. Miss Flint, 38 Woodland Gardens, Muswell Hill, N.10.

DISPENSER and Bookkeeper desires re-engagement; 4½ years last post. Address Miss Daniel, Ivydene, Junction Road, Dorking.

JUNIOR Assistant, male, 22, good Dispensing and Photographic experience, desires position in London or suburbs; free on June 12. G. Ramdin, 41 Westcroft Square, W.6.

JUNIOR Assistant (19) requires experience, part- or full-time; free any time; West Riding essential; references, etc., on request. "Junior," 27 Mile Cross Road, West End, Halifax.

LADY Dispenser (Hall) requires engagement. H. E. Scott, Bank House, Millom, Cumb.

LADY Dispenser (Hall) requires post in London with Doctor or Institution; experienced; excellent references. 112/23, Office of this Paper.

LADY Dispenser with 9 years' experience requires post; used to Counter work, with expert knowledge of Photography; South Coast preferred. (Miss) R. Munyard, Seshapita, 20 Crabton Close Road, Boscombe, Bournemouth.

LADY Dispenser, Surgical Dresser, Bookkeeper, "Hall" qualification, 2½ years' experience, urgently requires post with Doctor; anywhere; reduced fees £2 2s.; excellent references. Jones, 26 Park Avenue, Porthcawl, Glam.

LADY; young; 5 ft. 6 in.; unqualified; 4 years' good Counter and Dispensing experience; disengaged any time; Midlands preferred. "M.", c/o Midgley, Lime Avenue, Ripley, Derbyshire.

LADY Dispenser (Hall) desires Locums for the summer months. Apply "L.", c/o Smith & Son, 12 South Street, Farnham, Surrey.

LADY Assistant desires position; 11½ years' experience, Dispensing and Counter; London or S.W. district preferred. Apply Miss Rattenberry, 66a St. Ann's Hill, Wandsworth Common.

LADY Buyer-Saleswoman seeks re-engagement; Perfumery, Toilet; 17 years' practical experience; personality and ability; highest credentials. "O. M. P.," 49 Sandringham Road, Golders Green, N.W.11.

LADY (Hall); reliable; competent; Dispenser-Book-keeper to Doctor or Chemists; fully experienced; free July; Locum or permanency. "Midlands," 113/30, Office of this Paper.

LADY Assistant, smart Counter-hand and qualified Dispenser, 5 years' good experience, desires position 15th inst.; London or Wales. Replies 112/27, Office of this Paper.

LOCUM, experienced, abstainer, booking dates; knowledge Photography; take entire charge; moderate terms; vacant 28th inst. onward. "Pharmacist," c/o Mr. Beeson, Chemist, Ludlow, Salop.

LOCUM; Qualified, abstainer, recommended; vacant to June 21, July 5-19. Clifton, "Crawe House," Sibsey, Boston.

LOCUM; qualified; disengaged; experienced and reliable; knowledge of Photography. "Chemist," 32 Fairmount Road, Brixton Hill, S.W.

LOCUM; 47; 20 years' experience; thoroughly competent; reliable; few vacant dates; country fares one way; moderate terms; free from June 9. "Locum," 165 Brecknock Road, N.19.

LOCUM; 20 years' all-round experience; vacant dates, June 5 to June 25. "Unqualified," 33 Lee Street, London, E.8.

LOCUM; vacant date, June 12 to 26; highest references; unqualified. "F.," 131 Mount View Road, N.4.

MAJOR Pharmacist desires position in high-class Pharmacy; all-round experience. Saxton, King Street, Sutton-in-Ashfield, Notts.

MANCHESTER OR DISTRICT—Junior; 20; 5 years' good all-round experience, Dispensing, Counter, Photographics, Window-dressing, etc.; good references; disengaged June 28. Hartley, 16 Langholme Street, Nelson.

MANAGER, qualified, requires position in good-class business; splendid experience, Dispensing, Counter and Photographic; good references. 112/30, Office of this Paper.

NURSE-DISPENSER (Hall Diploma) desires engagement with Doctor or in Institution; London only; Locum or permanent. Stuhington, 83 East Dulwich Grove, S.E.22.

PHARMACIST, young, desires situation as Manager, with view to early succession; Sheffield or Birmingham district preferred, not essential. 110/16, Office of this Paper.

QUALIFIED (30), at present engaged at high-class Dispensing Business in West End London, desires post in South Wales, preferably Swansea or proximity; moderate salary, as desired to "brush up" counter work. 84/802, Office of this Paper.

QUALIFIED, middle aged, rather deaf, 25 years in business for self, desires Dispensing; height 5 ft. 4 in. "White," 41 Strafford Street, Poplar, E.

QUALIFIED; elderly; reliable; terms moderate; state inclusive dates. Apply J. Allen, 17 Prince's Road, Wimbledon, S.W.19.

QUALIFIED desires post as Senior Assistant or Cover; many years' varied experience; Photographics; excellent references; married. "Rhei," 114/6, Office of this Paper.

SENIOR Assistant, highest credentials, desires position in high-class Retail where there is scope for business abilities and salesmanship; record substantiated. 112/35, Office of this Paper.

UNQUALIFIED; temporary or permanent; varied London experience; middle-aged; moderate salary; disengaged. Jones, 69 Annesley Avenue, Hendon, N.W.9.

UNQUALIFIED; age 26; 9 years' experience; disengaged; £3; permanent or temporary; good references. Wellington, 41 Geraldine Road, Wandsworth, S.W.18.

UNQUALIFIED, age 25, S.W. (or near), smart Dispenser and Counterman, requires situation; keen and energetic worker; interview. Rutherford, 32 Tremadoc Road, S.W.4.

YOUNG lady desires post; 7 years' experience, Counter, Photographic, Window-dressing; temporary or permanent. Davis, 2 Sheen Gate Mansions, E. Sheen.

£4 10s. weekly; 23; qualified, requires situation; tall, energetic; capable; in London or South of England. 113/38, Office of this Paper.

WHOLESALE.

A LONDON Representative, with excellent connection and highest references, requires engagement; every investigation. "Diligent," 9 Roman Road, Ilford, E.

A LIVE, energetic Pharmacist, 30, will be open to engagement in July; 12 years' London experience in Wholesale, Retail representation Medical propaganda; car, owner-driver. Replies to 112/33, Office of this Paper.

ADVERTISER, M.P.S., wishes to represent good House; Drugs or Toilets; Scotland. Replies to 112/13, Office of this Paper.

ADVERTISER seeks position as Departmental or Works Manager; exceptional experience in the manufacture, production and sales of all Toilet, Perfumery, Soaps and Packed Goods for the home and export trade. "Ability" (P.C.B. 18/38), Office of this Paper.

ASSISTANT, 21, 3 years' experience Manufacture Pharmaceutical Wets, Ointments and Toilets, 1½ years Sales Office, desires post in works or sales office; College training in Pharmacy. 110/14, Office of this Paper.

EXPERIENCED Representative in Drugs, Chemicals and Medical desires change; first-class references; fidelity policy. 113/56, Office of this Paper.

EXPERT Analyst with Laboratories will undertake Analytical control of Pharmaceutical and Toilet Preparations, the Analysis of Raw Materials for Manufacturing and Wholesale Houses, or carry out Research Work for Manufacturing Processes, and act as Consulting Chemist. P.C.B. 18/13, Office of this Paper.

GOOD all-round Man seeks situation, London; Pills, Tablets, Toilets, Creams, etc.; able to introduce trade; good worker. P.C.B. 18/33, Office of this Paper.

MAN, aged 19, had 4 years in Laboratory of Soap and Perfumery Manufacturer; good worker. L. Gatehouse, 5 Brettell Street, London, S.E.17.

PHARMACIST seeks Representative position; high-class Retail experience. "Pharmacist," 33 Neasden Lane, N.W.10.

Pharmaceutical Council Election

JUNE 1926.

To the Members of the Pharmaceutical Society of Great Britain.

THE SIX RETIRING MEMBERS OF YOUR COUNCIL OFFER THEMSELVES FOR RE-ELECTION.

During the past year—

The Membership of the Society has increased by 642.

The Pharmacological Laboratories have been established.

The new system of District Meetings has been introduced.

The Council have taken steps to secure for pharmacists the representation to which they are entitled in the preparation of the Pharmacopœia.

If we are re-elected to the Council, we will endeavour—

To carry forward this policy of development.

To prevent the introduction of unnecessary restrictions upon the practice of pharmacy.

To develop progressively the present educational scheme.

To strengthen the position of the pharmacist and the value of his qualification.

During the past year the volume of Council business has been large and has involved decisions upon many important matters of policy.

CONTINUITY OF POLICY IS ESSENTIAL.

F. E. BILSON.

F. G. HINES.

A. R. KEITH.

A. R. MELHUISH.

P. F. ROWSELL.

E. H. SIMMONS.

QUALIFIED Chemist and University Graduate desires experience with Manufacturing Chemists; salary not main object. P.C.B. 18/25, Office of this Paper.

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